ALPHA Spezial
BESCHICHTUNGEN

BLOCK 1

1.1 Sylomer R
1.2 Sylomer L
1.3 Celloflex
1.4 Sylomer M
1.5 PU-Schaum gelb
1.6 PU 06
1.7 Porol
1.8 EPDM
1.9 PU Längsrille
1.10 Pebbles Rundkegel
1.11 Spitzkegel
1.12 PU Spikeprofil
1.13 Supergrip schwarz
1.14 Supergrip blau
1.15 PVC Haifischzahn
1.16 PVC Längsrille
1.17 Supergrip petrol
1.18 Supergrip grün
1.19 Supergrip weiß
1.20 Minigrip petrol
1.21 Minigrip grün
1.22 PVC Noppen
1.23 PVC Fischgrät
1.24 PVC Sägezahn
1.25 PVC Dreieckprofil

ALPHA Spezial
BESCHICHTUNGEN

BLOCK 2

2.1 PU-Folie 65 Shore A
2.2 Polythan D15
2.3 Polythan D44
2.4 PU-Folie 85 Shore A/T2
2.5 PU-Folie blau
2.6 HV2-Folie
2.7 PU-Folie 92 Shore A
2.8 RP 400
2.9 Correx beige
2.10 Linatex
2.11 Linaplus FGL
2.12 NG rot
2.13 Linatrile
2.14 Elastomer grün
2.15 PVC-Folie petrol
2.16 PVC-Folie grün
2.17 PVC-Folie blau
2.18 PVC-Folie weiß
2.19 PVC Pepita
2.20 PTFE
2.21 TT60
2.22 Paraflies
2.23 Chromleder
2.24 Viton
2.25 PA-Gewebe

ALPHA Special
COATINGS

BLOCK 1

1.1 Sylomer R	1.10 Pebbles rounded cone	1.19 Supergrip white
1.2 Sylomer L	1.11 Pointed cone	1.20 Minigrip petrol blue
1.3 Celloflex	1.12 PU spike profile	1.21 Minigrip green
1.4 Sylomer M	1.13 Supergrip black	1.22 PVC cleats
1.5 PU-foam yellow	1.14 Supergrip blue	1.23 PVC fishbone pattern
1.6 PU 06	1.15 PVC shark tooth	1.24 PVC saw tooth
1.7 Porol	1.16 PVC longitudinal groove	1.25 PVC triangular profile
1.8 EPDM	1.17 Supergrip petrol blue	
1.9 PU longitudinal groove	1.18 Supergrip green	

ALPHA Special
COATINGS

BLOCK 2

2.1 PU-foil 65 Shore A	2.10 Linatex	2.19 PVC Pepita
2.2 Polythan D15	2.11 Linaplus FGL	2.20 PTFE
2.3 Polythan D44	2.12 NG red	2.21 TT60
2.4 PU-foil 85 Shore A/T2	2.13 Linatrile	2.22 Para fleece
2.5 PU-foil blue	2.14 Elastomer green	2.23 Chrome leather
2.6 HV2-foil	2.15 PVC-foil petrol blue	2.24 Viton
2.7 PU-foil 92 Shore A	2.16 PVC-foil green	2.25 PA fabric
2.8 RP 400	2.17 PVC-foil blue	
2.9 Correx beige	2.18 PVC-foil white	

BLOCK 1

	Schaum		Profiliert oder strukturiert		
Polyurethan (PU)	1.1 Sylomer R	Polyurethan (PU)	1.9 PU Längsrille	Polyvinylchlorid (PVC)	1.15 PVC Haifischzahn
	1.2 Sylomer L		1.10 Pebbles Rundkegel		1.16 PVC Längsrille
	1.3 Celloflex		1.11 Spitzkegel		1.17 Supergrip petrol
	1.4 Sylomer M		1.12 PU Spikeprofil		1.18 Supergrip grün
	1.5 PU-Schaum gelb				1.19 Supergrip weiß
	1.6 PU 06				1.20 Minigrip petrol
					1.21 Minigrip grün
Gummi	1.7 Porol	Gummi	1.13 Supergrip schwarz		1.22 PVC Noppen
	1.8 EPDM		1.14 Supergrip blau		1.23 PVC Fischgrät
					1.24 PVC Sägezahn
					1.25 PVC Dreieckprofil

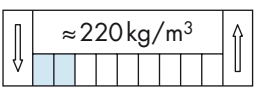
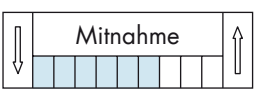
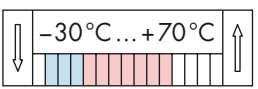
Weitere Beschichtungsstärken und Materialien auf Anfrage; keine Standard-Lagerbevorratung bei grau hinterlegter Stärke (s) und grau hinterlegtem Durchmesser (Ø); Annahmen: „Mitnahme" bei leicht strukturiertem Transportgut, „Abriebfestigkeit" bei Relativbewegung

ALPHA Special
COATINGS

BLOCK 1

	Foam		Profiled or structured		
Polyurethane (PU)	1.1 Sylomer R	Polyurethane (PU)	1.9 PU longitudinal groove	Polyvinyl chloride (PVC)	1.15 PVC shark tooth
	1.2 Sylomer L		1.10 Pebbles rounded cone		1.16 PVC longitudinal groove
	1.3 Celloflex		1.11 Pointed cone		1.17 Supergrip petrol blue
	1.4 Sylomer M		1.12 PU spike profile		1.18 Supergrip green
	1.5 PU-foam yellow				1.19 Supergrip white
	1.6 PU 06				1.20 Minigrip petrol blue
					1.21 Minigrip green
Rubber	1.7 Porol	Rubber	1.13 Supergrip black		1.22 PVC cleats
	1.8 EPDM		1.14 Supergrip blue		1.23 PVC fishbone pattern
					1.24 PVC saw tooth
					1.25 PVC triangular profile

Further coating thickness sizes and materials on request; non-stocking materials when the strength (s) and the diameter (Ø) are highlighted in grey; assumptions: "degree of grip" for slightly textured conveyed goods, "abrasion resistance" at relative motion

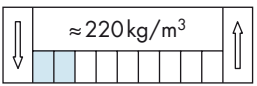
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.1	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit
	**Sylomer R, blau, PU-Schaum** s 6,0 | 12,0 Ø 120 | 240	 	 

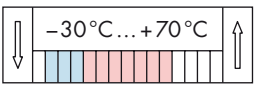
Härte: ≈ 10 Shore A; dynamisch hoch belastbar; Transport leichter, empfindlicher Teile; Abzugsbänder mit geringer Belastung; z. B. in Papier- und Textilindustrie; für Oberdruckriemen

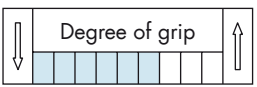
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.1	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

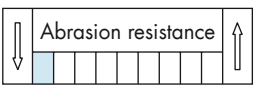
Sylomer R, blue, PU-foam

s	6.0	12.0
Ø	120	240







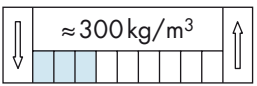


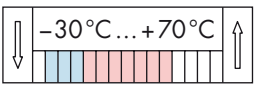
Hardness: ≈ 10 Shore A; high dynamical load; conveyance of lightweight, fragile parts; discharge conveyors with low loads; e. g. in the paper and textile industry; for top pressure belts

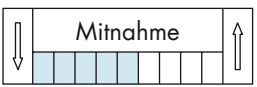
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.2	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

Sylomer L, grün, PU-Schaum

s	6,0	12,0	15,0	20,0	25,0
Ø	120	240	300	400	500





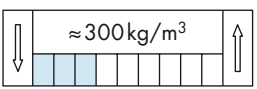


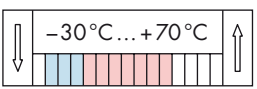
Härte: ≈ 15 Shore A; weit verbreitet; Anwendung wie Sylomer R, blau, jedoch höhere Härte

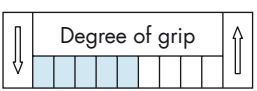
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.2	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

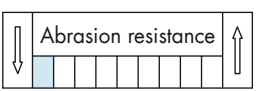
Sylomer L, green, PU-foam

s	6.0	12.0	15.0	20.0	25.0
Ø	120	240	300	400	500







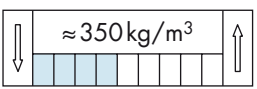


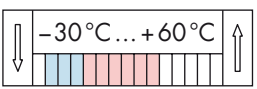
Hardness: ≈ 15 Shore A; common/widely-used; same application as Sylomer R, blue, but increased hardness

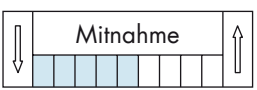
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.3	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

Celloflex, beige, mikrozelliges PU

s	2,0	3,0	4,0	5,0	6,0	8,0
Ø	40	60	70	90	110	140





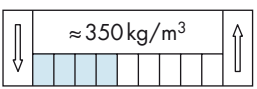


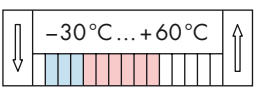
Weit verbreitet; auch Schaumvulkollan genannt; für Schaum mittlerer Härte sehr hohe dynamische Belastbarkeit und gute Abriebfestigkeit; z. B. für Folien, Textilien und Verpackungen

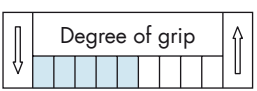
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.3	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

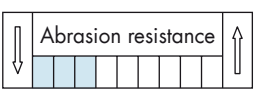
Celloflex, beige, micro-cellular PU

s	2.0	3.0	4.0	5.0	6.0	8.0
Ø	40	60	70	90	110	140









Common/widely-used; foam with medium hardness, for extremely high dynamic load capacity and good abrasion resistance; e.g. for foils, textiles and packaging

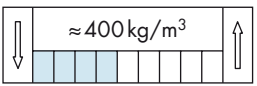
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.4	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit
	**Sylomer M, braun, PU-Schaum** s 6,0 12,0 Ø 120 240	≈ 400 kg/m³ Mitnahme	–30 °C … +70 °C Abriebfestigkeit

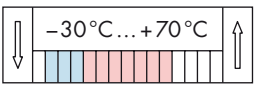
Härte: ≈ 22 Shore A; Anwendung wie Sylomer R, blau, jedoch höhere Härte als Sylomer L, grün

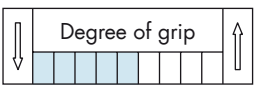
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.4	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

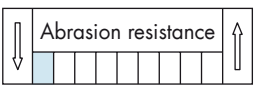
Sylomer M, brown, PU-foam

s	6.0	12.0
Ø	120	240







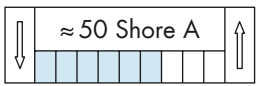


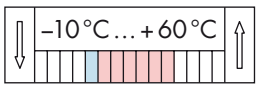
Hardness: ≈ 22 Shore A; same application as Sylomer R, blue, but greater hardness as Sylomer L, green

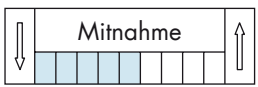
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.5	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

PU-Schaum gelb, feinporiges PU

s	2,0	3,0	6,0	8,0	10,0	12,0
Ø	60	70	120	160	200	240





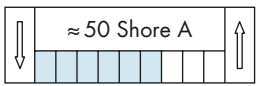


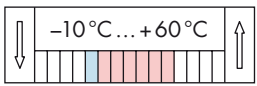
Einsatzgebiete wie PU 06, jedoch preisgünstiger; leicht reduzierte Abriebfestigkeit im Vergleich zu PU 06; im Gegensatz zu PU 06 kann diese Beschichtung als Standard mit 2 mm und 3 mm Stärke direkt auf den Optibelt ALPHA linear AT10 extrudiert werden; weitere Profile auf Anfrage; Verschweißung zu ALPHA V zusammen mit der Beschichtung und somit ohne Stoß auch bei großen Längen; kann alternativ auch nachträglich mit Stoßstelle aufgebracht werden; z. B. in Papier- und Glasindustrie; gute mechanische Bearbeitbarkeit, z. B. Einfräsen von Taschen für Vakuumtransport

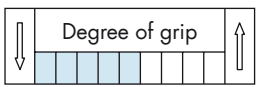
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.5	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

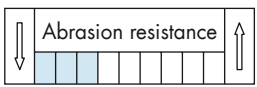
PU-foam yellow, fine pored PU

s	2.0	3.0	6.0	8.0	10.0	12.0
Ø	60	70	120	160	200	240







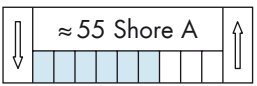


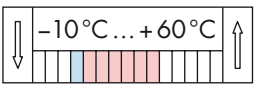
Same application areas as PU 06, but lower-priced; a little less abrasion-resistant than PU 06; unlike PU 06 this coating can be extruded as standard coating directly onto the Optibelt ALPHA linear AT10 in 2 mm and 3 mm thickness; further sections on request; ability to weld to ALPHA V without joint, even with greater length; e. g. for use in paper and glass industry; good mechanical processing capabilities, e. g. cutting of pockets for vacuum transport

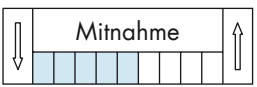
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.6	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

PU 06, gelb, feinporiges PU

s	2,0	3,0	5,0	6,0	8,0	10,0
Ø	60	70	100	120	160	200





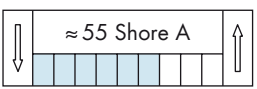


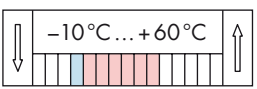
Weit verbreitet; für einen Schaum hohe Abriebfestigkeit; z. B. in Papier- und Glasindustrie; gute mechanische Bearbeitbarkeit, z. B. Einfräsen von Taschen für Vakuumtransport; alternativ ohne Stoßstelle im Sprühverfahren bei kleinen und mittleren Längen

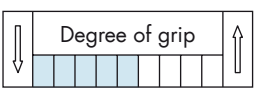
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.6	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

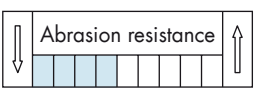
PU 06, yellow, fine pored PU

s	2.0	3.0	5.0	6.0	8.0	10.0
Ø	60	70	100	120	160	200



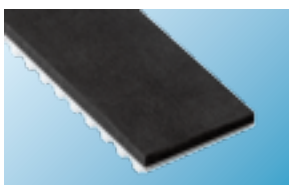






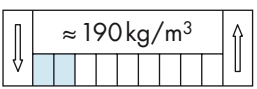
Common/widely-used; foam with high abrasion resistance; e. g. in paper and glass industry; easy mechanical processing, e. g. cutting of pockets for vacuum transport; alternatively without joint in a spraying process for short and medium length ranges

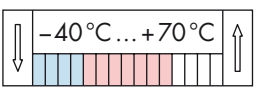
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.7	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

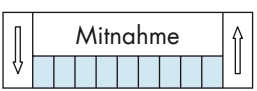


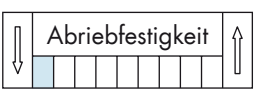
Porol, schwarz, Zellkautschuk

s	5,0	12,0
Ø	60	150



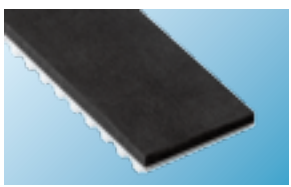






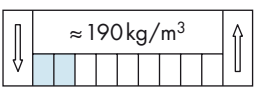
Weit verbreitet; geschlossenporig; z. B. für Textil- und Papierindustrie; zum Höhenausgleich zusammen mit einer weiteren, dünnen, elastischen Schutzbeschichtung wie Linatex

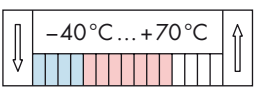
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.7	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

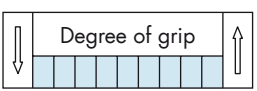


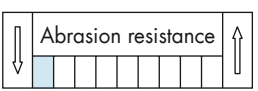
Porol, black, cellular rubber

s	5.0	12.0
Ø	60	150



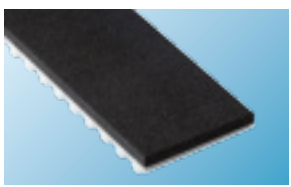






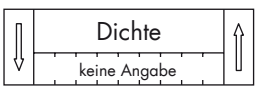
Common/widely-used; closed pored; e. g. for textile and paper industry; for height adjustments in combination with a further thin, elastic protective coating such as Linatex

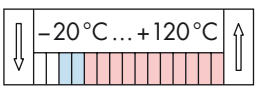
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.8	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

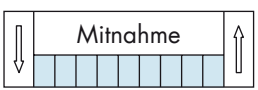


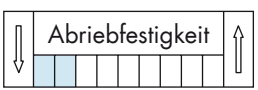
EPDM, schwarz, synthetisches Gummi

s	2,0	3,0	4,0	5,0	6,0
Ø	40	40	50	60	80



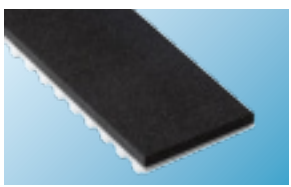






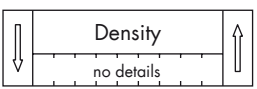
EPDM: Ethylen-Propylen-Terpolymere; Schaum; Einsatz z. B. bei warmen Glas- oder Metallprodukten; verbesserte Chemikalien- und Alterungsbeständigkeit; verbesserte Abriebbeständigkeit; keine verbesserte Öl- und Fettbeständigkeit im Vergleich zu Naturkautschuk

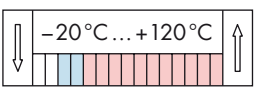
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.8	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

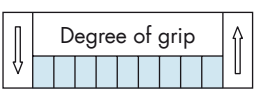


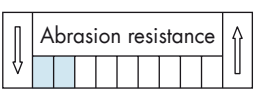
EPDM, black, synthetic rubber

s	2.0	3.0	4.0	5.0	6.0
Ø	40	40	50	60	80







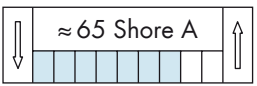


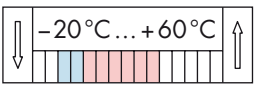
EPDM: Ethylene-Propylene-Terpolymer; foam; in applications e. g. with heated glass or metal products; improved chemical and aging resistance; better abrasion resistance; similar oil and grease resistance as natural rubber

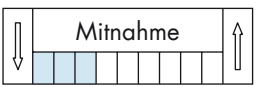
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.9	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

PU Längsrille, transparent, PU

s 2,0
Ø 60





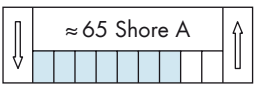


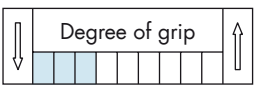
Keilförmige Rippen mit balligem Abschluss; vermindertes Anhaften von glattem und trockenem Transportgut; z. B. Flachglas; Abfließen von Flüssigkeiten möglich

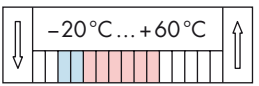
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.9	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

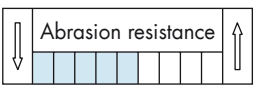
PU longitudinal groove, transparent, PU

s 2.0
Ø 60



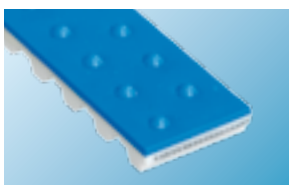






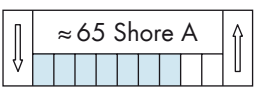
V-shaped ribs with crowned top; reduces adhesion of smooth and dry conveyed goods, e. g. flat glass; draining of liquids possible

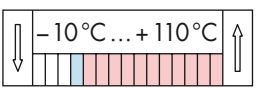
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.10	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

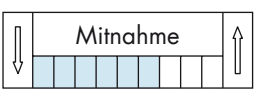


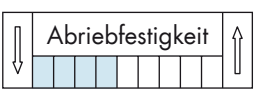
Pebbles Rundkegel, blau, PVC (FDA)

s 2,5
Ø 30



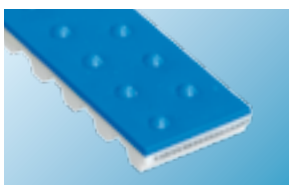






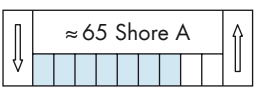
FDA-Zulassung für Lebensmittelkontakt; z. B. Transport von Wurst und Käse; bei schmalen Riemen nur einreihige Rundkegel-Profile; Reihenabstand ca. 8,5 mm; Kegelhöhe ca. 1 mm; Kegel-Ø ca. 3,5 mm; Ausführungsvariante in Farbe Weiß

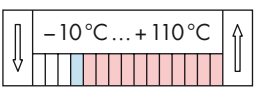
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.10	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

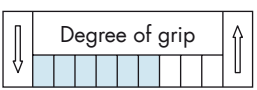


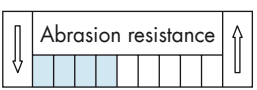
Pebbles rounded cone, blue, PVC (FDA)

s	2.5						
Ø	30						

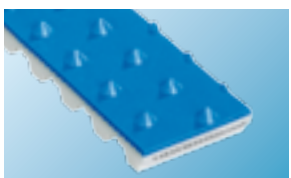
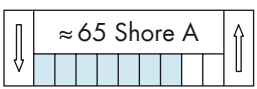
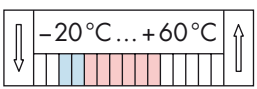






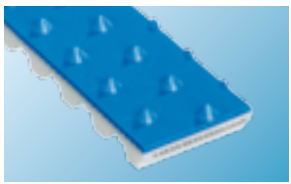


FDA approved for direct contact with food; e. g. for the conveyance of sausage and cheese; for narrow belts only single-row profiles with rounded cones; line distance between the cones approx. 8.5 mm; cone height approx. 1 mm; cone-Ø approx. 3.5 mm; further design version in colour white on request

Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.11	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit
	**Spitzkegel, blau, Polyurethan (FDA)** s 2,5 Ø 30	 	 

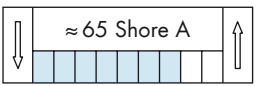
FDA-Zulassung für Lebensmittelkontakt; z. B. Transport gefrosteter Lebensmittel; bei schmalen Riemen nur einreihige Spitz-Profile; Reihenabstand ca. 8,5 mm; Kegelhöhe ca. 2 mm; Kegel-Ø ca. 3,5 mm; Ausführungsvariante in Farbe Weiß

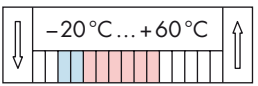
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.11	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

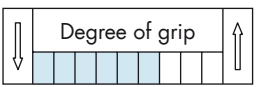


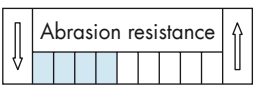
Pointed cone, blue, polyurethane (FDA)

s 2.5
Ø 30







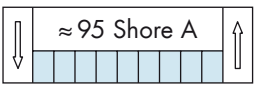


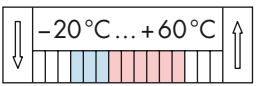
FDA approved for direct contact with food; e.g. for the conveyance of frosted food; for narrow belts only single-row profiles with pointed cones; line distance between the cones approx. 8.5 mm; cone height approx. 2 mm; cone-Ø approx. 3.5 mm; further design version in colour white on request

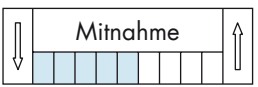
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.12	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

PU Spikeprofil, beige, PU (FDA)

s	5,3
Ø	60





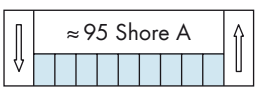


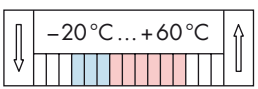
FDA-Zulassung für Lebensmittelkontakt; z. B. Transport gefrosteter Lebensmittel; bei schmalen Riemen nur einreihige Spitz-Profile; Reihenabstand ca. 15 mm; spitzer, bauchiger Kegel; Kegelhöhe ca. 4,0 mm; Kegel-Ø ca. 3,3 mm; Gesamthöhe ca. 5,3 mm

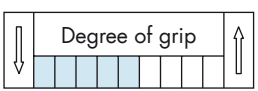
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.12	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

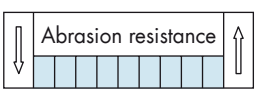
PU spike profile, beige, PU (FDA)

s	5.3
Ø	60



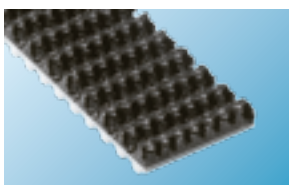






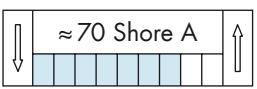
FDA approved for direct contact with food; e. g. conveyance of frosted food; for narrow belts only single-row profiles with pointed cones; line distance between the cones approx. 15 mm; pointed, bulbous cone; cone height approx. 4.0 mm; cone-Ø approx. 3.3 mm; total height approx. 5.3 mm

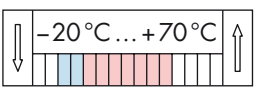
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.13	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

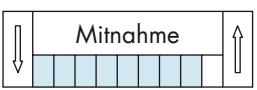


Supergrip schwarz, Gummi

s 4,0
Ø 60

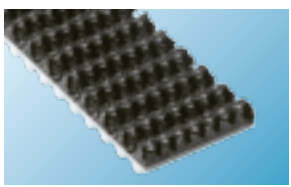






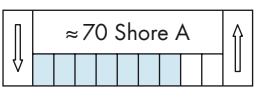
Durch Profilierung kleiner Höhenausgleich, geringe Stoßdämpfung und kleine Relativbewegung möglich; verbesserte Mitnahme auch bei Feuchtigkeit und Verschmutzung; z. B. Transport scharfkantiger Steine oder von Flachglas unter Hochvakuum, wo z. B. PVC schrumpfen kann

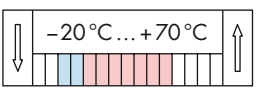
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.13	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

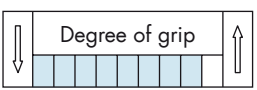


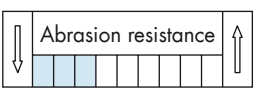
Supergrip black, rubber

s 4.0
Ø 60



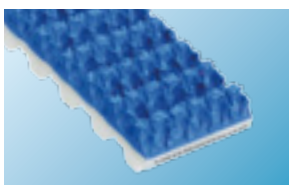






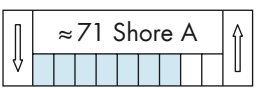
Used for slight height compensation; low shock absorption capabilities and slight relative motion due to profile design possible; improved degree of grip even in case of moisture and dirt; e. g. for the conveying of sharp-edged stones or of flat glass in high vacuum applications, when e. g. PVC might shrink

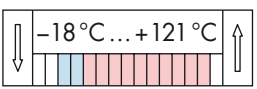
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.14	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

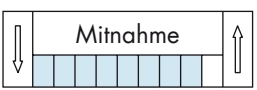


Supergrip blau, Nitrilkautschuk

s 4,0
Ø 60

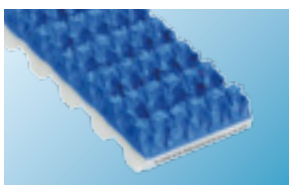






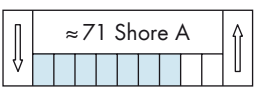
Eigenschaften ähnlich Supergrip schwarz; verbesserte Temperatur-, Öl-, Fett- und Alterungsbeständigkeit jeweils im Vergleich zu Naturkautschuk; z. B. Transport von verpackten Lebensmitteln

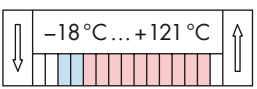
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.14	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

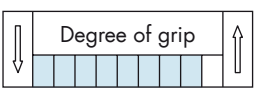


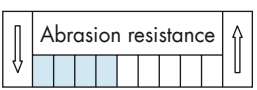
Supergrip blue, nitrile rubber

s 4.0
Ø 60



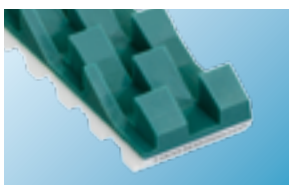






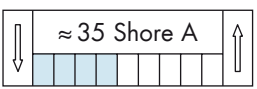
Characteristics similar to Supergrip black; improved temperature, oil, grease and aging resistance compared to natural rubber; e. g. for the conveying of packed food

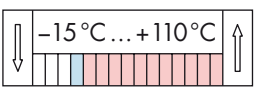
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.15	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

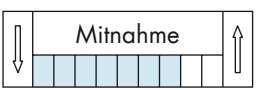


PVC Haifischzahn, petrol, PVC

s 6,0
Ø 55

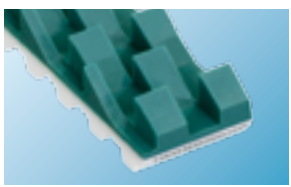






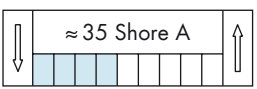
Richtungsabhängige Mitnahmeeigenschaften: stark profiliertes Transportgut gegen den Zahn, glattes bzw. leicht strukturiertes Transportgut mit dem Zahn durch gutes Anlegen an das Transportgut; guter Ausgleich der Transportgut-Höhentoleranzen bei Abzugsbändern; z. B. Flaschentransport

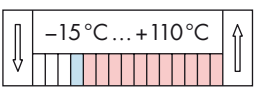
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.15	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

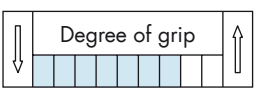


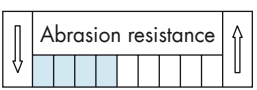
PVC shark tooth, petrol blue, PVC

s 6.0
Ø 55



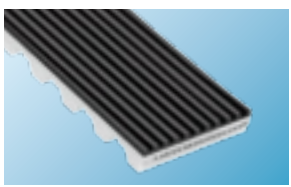






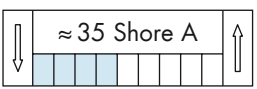
The friction characteristics depend on the direction of conveyance: heavily profiled goods conveyed contrary to the direction of the tooth, smooth or slightly structured goods in direction of the tooth due to the close attachment to the tooth; good compensation of height tolerances of the goods conveyed especially at discharge belts, e. g. for the conveyance of bottles

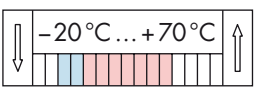
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.16	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

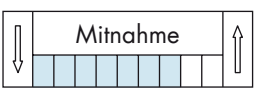


PVC Längsrille, schwarz, PVC

s 2,0
Ø 30

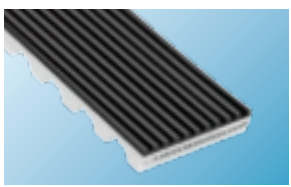






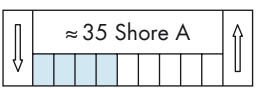
Keilförmige Rippen mit flachem Abschluss; verbesserte Mitnahme bei leichter Staubeinwirkung; Abfließen von Flüssigkeiten möglich

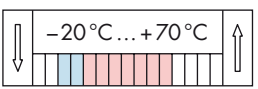
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.16	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

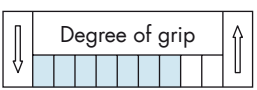


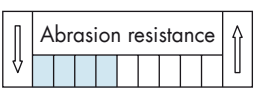
PVC longitudinal groove, black, PVC

s 2.0
Ø 30



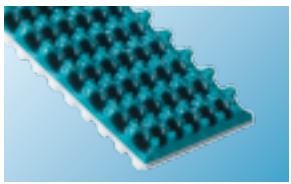






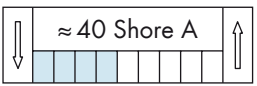
V-shaped ribs with flat tops; improved degree of grip under dusty conditions, draining of liquids possible

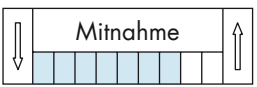
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.17	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

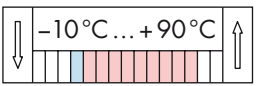


Supergrip petrol, Polyvinylchlorid

s 4,0
Ø 60

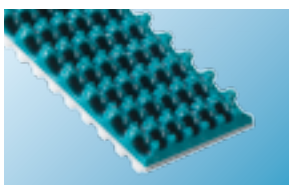






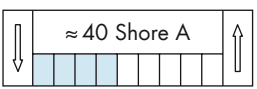
Weit verbreitet; durch Profilierung kleiner Höhenausgleich, geringe Stoßdämpfung und kleine Relativbewegung möglich; verbesserte Mitnahme auch bei Feuchtigkeit und Verschmutzung; z. B. Holz-, Glas- und Verpackungsindustrie

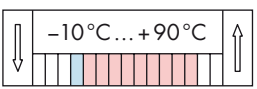
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.17	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

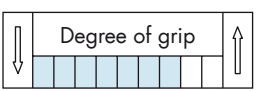


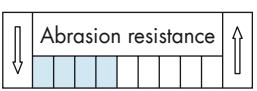
Supergrip petrol blue, polyvinyl chloride

s 4.0
Ø 60

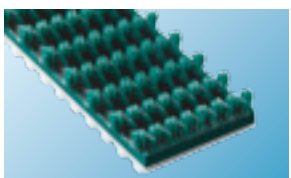






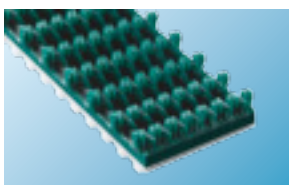


Common/widely-used; applicable at slight height compensation, low shock absorption capabilities and slight relative motion possible; improved degree of grip even in case of moisture and dirt; e. g. for the timber, glass and packaging industries

Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.18	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit
	**Supergrip grün, Polyvinylchlorid** s 4,0 Ø 60	≈ 40 Shore A Mitnahme	–10 °C … + 90 °C Abriebfestigkeit

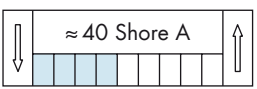
Eigenschaften und Einsatzgebiete wie Supergrip petrol; etwas flexibler u. a. durch größeren Noppenabstand

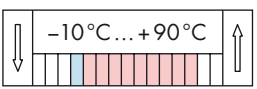
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.18	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

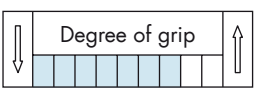


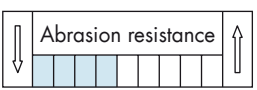
Supergrip green, polyvinyl chloride

s 4.0
Ø 60



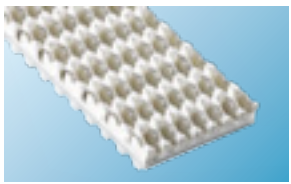






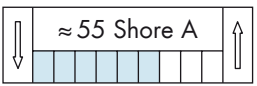
Characteristics and application areas same as Supergrip petrol; slightly more flexible due to larger distance between the cleats (amongst others)

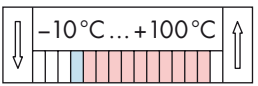
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.19	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

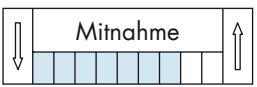


Supergrip weiß, PVC (FDA)

s 4,0
Ø 60

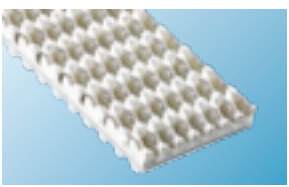






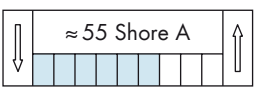
FDA-Zulassung für Lebensmittelkontakt; Eigenschaften wie Supergrip petrol; Profilierung wie Supergrip grün, aber nicht so flexibel; z. B. Transport von Lebensmitteln

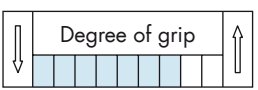
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.19	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

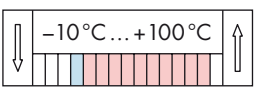


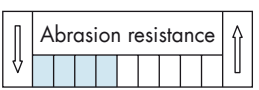
Supergrip white, PVC (FDA)

s 4.0
Ø 60



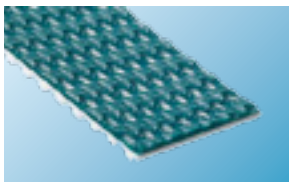






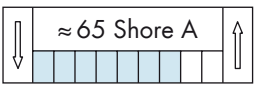
FDA approved for direct contact with food; characteristics same as Supergrip petrol; profile same as Supergrip green, however less flexible; e. g. for the conveyance of food

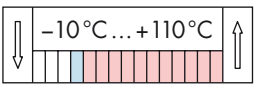
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.20	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

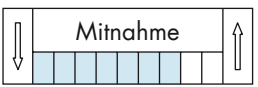


Minigrip petrol, Polyvinylchlorid

s 1,0
Ø 30

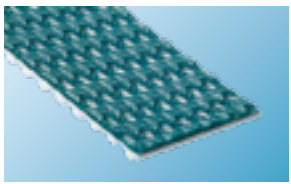






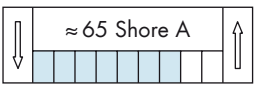
Leichte Profilierung für verbesserte Mitnahme auch bei Feuchtigkeit und leichter Staubeinwirkung; vermindertes Anhaften von glattem und trockenem Transportgut; z. B. Flachglas

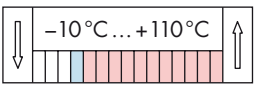
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.20	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

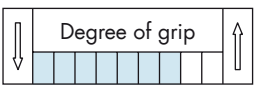


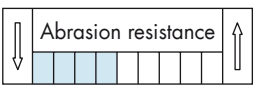
Minigrip petrol blue, polyvinyl chloride

s 1.0
Ø 30

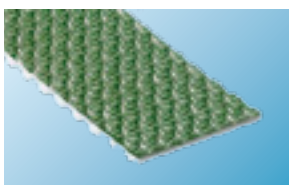
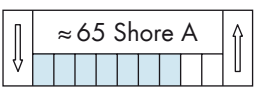
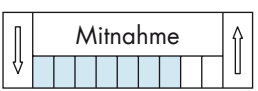
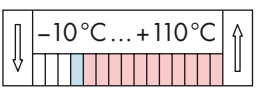






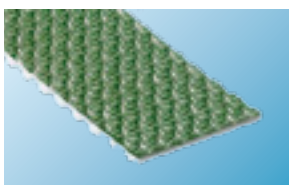


Thin profile for improved degree of grip even under moist or dusty conditions; reduces sticking of smooth and dry conveyed goods; e. g. flat glass

Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.21	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit
	**Minigrip grün, Polyvinylchlorid** s 1,0 Ø 30	 	 

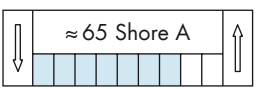
Eigenschaften und Einsatzgebiete wie Minigrip petrol

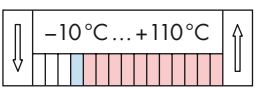
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.21	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

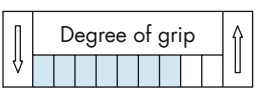


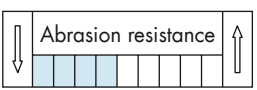
Minigrip green, polyvinyl chloride

s 1.0
Ø 30

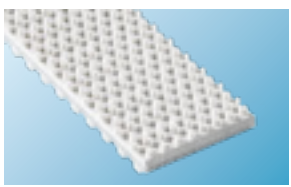
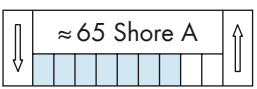
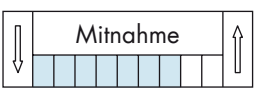
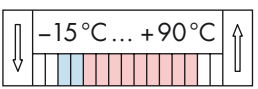






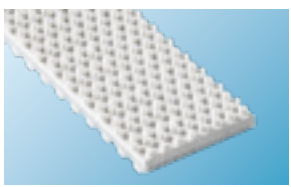


Characteristics and application areas same as Minigrip petrol

Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.22	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit
	**PVC Noppen, weiß, PVC (FDA)** s 1,5 Ø 60	 	 

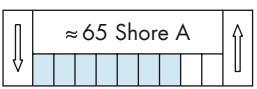
FDA-Zulassung für Lebensmittelkontakt; leichte Profilierung für verbesserte Mitnahme auch bei Feuchtigkeit; Transport von Verpackungen in der Lebensmittelindustrie

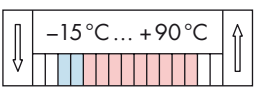
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.22	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

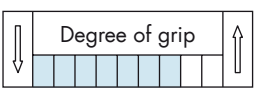


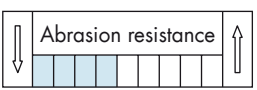
PVC cleats, white, PVC (FDA)

s 1.5
Ø 60







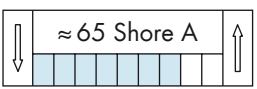


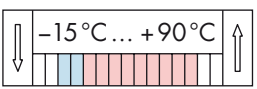
FDA approved for direct contact with food; thin profile for improved degree of grip even under moist conditions; conveyance of packages in the food industry

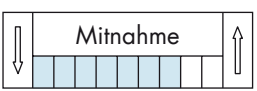
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.23	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

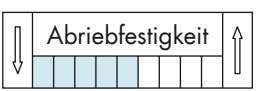
PVC Fischgrät, weiß, PVC (FDA)

s 4,0
Ø 80







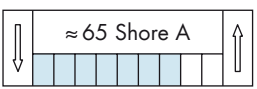


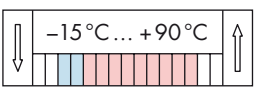
FDA-Zulassung für Lebensmittelkontakt; deutliche Profilierung hier ohne Wasserrille für verbesserte Mitnahme auch bei Nässe; bei schmalen Riemen ggf. nur einfach schrägverzahnt; Variante mit Wasserrille auf Anfrage; Transport z. B. von nassem Flachglas

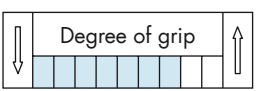
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.23	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

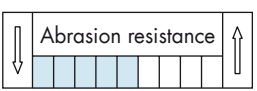
PVC fishbone pattern, white, PVC (FDA)

s 4.0
Ø 80







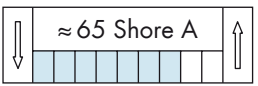


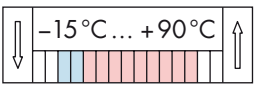
FDA approved for direct contact with food; distinct profile, here without runlet for improved degree of grip under wet conditions; small belts may only have a single row with helical-cut profile; version with runlet on request; for the conveyance e. g. of wet flat glass

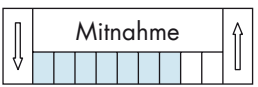
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.24	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

PVC Sägezahn, weiß, PVC (FDA)

s 3,0
Ø 60





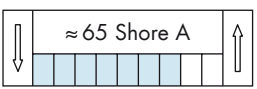


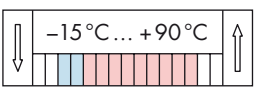
FDA-Zulassung für Lebensmittelkontakt; deutliche Profilierung für verbesserte Mitnahme auch bei Feuchtigkeit und Nässe; Linienberührung

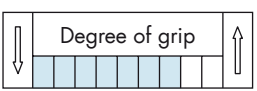
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.24	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

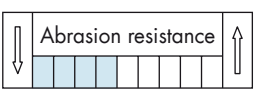
PVC saw tooth, white, PVC (FDA)

s 3.0
Ø 60







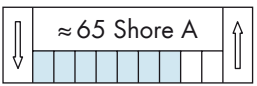


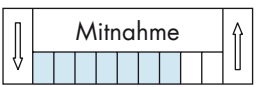
FDA approved for direct contact with food; distinct profile for improved degree of grip even under moist and wet conditions; line contact

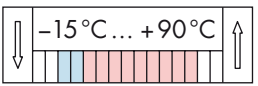
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
1.25	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

PVC Dreieckprofil, weiß, PVC (FDA)

s 3,0
Ø 60





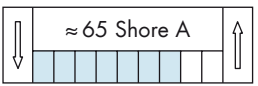


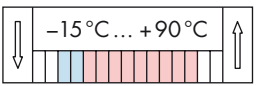
FDA-Zulassung für Lebensmittelkontakt; mittlere Profilierung für verbesserte Mitnahme auch bei Feuchtigkeit; Linienberührung

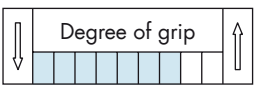
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
1.25	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

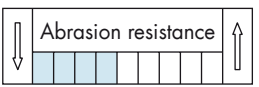
PVC triangular profile, white, PVC (FDA)

s 3.0
Ø 60









FDA approved for direct contact with food; medium size profile for improved degree of grip even under moist conditions; line contact

BLOCK 2

Glatt oder leicht strukturiert

Polyurethan (PU)

- 2.1 PU-Folie 65 Shore A
- 2.2 Polythan D15
- 2.3 Polythan D44
- 2.4 PU-Folie 85 Shore A/T2
- 2.5 PU-Folie blau
- 2.6 HV2-Folie
- 2.7 PU-Folie 92 Shore A

Gummi

- 2.8 RP 400
- 2.9 Correx beige
- 2.10 Linatex
- 2.11 Linaplus FGL
- 2.12 NG rot
- 2.13 Linatrile
- 2.14 Elastomer grün

Polyvinylchlorid (PVC)

- 2.15 PVC-Folie petrol
- 2.16 PVC-Folie grün
- 2.17 PVC-Folie blau
- 2.18 PVC-Folie weiß
- 2.19 PVC Pepita

Besondere/PA-Gewebe

- 2.20 PTFE
- 2.21 TT60
- 2.22 Paraflies
- 2.23 Chromleder
- 2.24 Viton
- 2.25 PA-Gewebe

Weitere Beschichtungsstärken und Materialien auf Anfrage; keine Standard-Lagerbevorratung bei grau hinterlegter Stärke (s) und grau hinterlegtem Durchmesser (Ø); Annahmen: „Mitnahme" bei leicht strukturiertem Transportgut, „Abriebfestigkeit" bei Relativbewegung

ALPHA Special
COATINGS

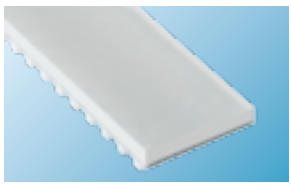
BLOCK 2

Smooth or slightly structured

Polyurethane (PU)	Rubber	Polyvinyl chloride (PVC)	Specials/ Polyamide fabrics
2.1 PU-foil 65 Shore A	2.8 RP 400	2.15 PVC-foil petrol blue	2.20 PTFE
2.2 Polythan D15	2.9 Correx beige	2.16 PVC-foil green	2.21 TT60
2.3 Polythan D44	2.10 Linatex	2.17 PVC-foil blue	2.22 Para fleece
2.4 PU-foil 85 Shore A/T2	2.11 Linaplus FGL	2.18 PVC-foil white	2.23 Chrome leather
2.5 PU-foil blue	2.12 NG red	2.19 PVC Pepita	2.24 Viton
2.6 HV2-foil	2.13 Linatrile		2.25 PA fabric
2.7 PU-foil 92 Shore A	2.14 Elastomer green		

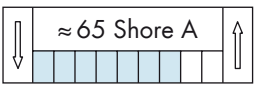
Further coating thickness sizes and materials on request; non-stocking materials when the strength (s) and the diameter (Ø) are highlighted in grey; assumptions: "degree of grip" for slightly textured conveyed goods, "abrasion resistance" at relative motion

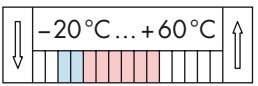
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.1	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

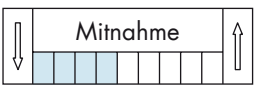


PU-Folie 65 Shore A, transparent, PU

s	2,0	3,0	4,0
Ø	60	80	100

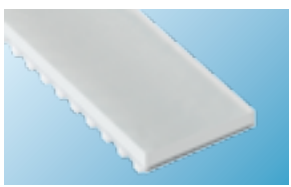






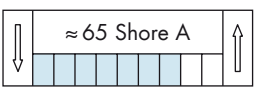
Sehr adhäsiv bei glatten, trockenen Oberflächen; z. B. Transport von Glas; durch mögliches Schüsseln weniger empfohlen bei leichtem Transportgut wie Folien, siehe PU-Folie 85 Shore A

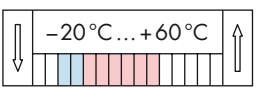
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.1	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

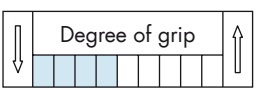


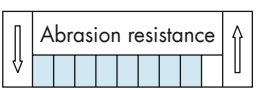
PU-foil 65 Shore A, transparent, PU

s	2.0	3.0	4.0			
Ø	60	80	100			







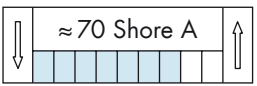


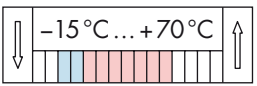
Strongly adhesive at smooth, dry surfaces; e. g. for the conveyance of glass; due to possible dishing less suitable for the conveyance of light goods such as foils, see also PU-foil 85 Shore A

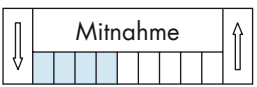
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.2	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

Polythan D15, transparent/gelblich, PU

s	2,0	3,0	5,0			
Ø	60	80	120			





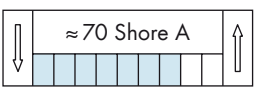


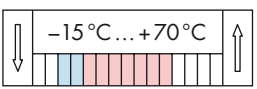
Auch Festvulkollan genannt; bei vergleichsweise geringer Härte und hoher dynamischer Belastbarkeit hohe Abriebfestigkeit und hohe Weiterreißfestigkeit; z. B. als Abzugsriemen

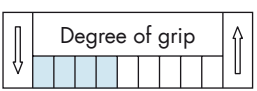
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.2	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

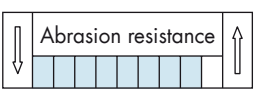
Polythan D15, transparent/ yellowish, PU

s	2.0	3.0	5.0			
Ø	60	80	120			



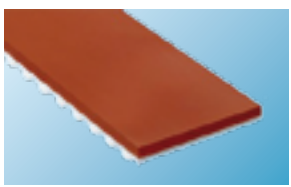






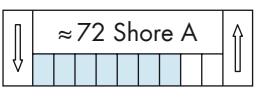
Also known as “Festvulkollan”; despite of low hardness and high dynamic load capacity it has high abrasion resistance and high tear resistance; e. g. for applications such as discharge belts

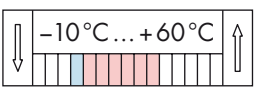
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.3	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

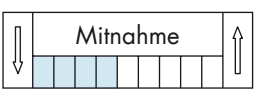


Polythan D44, transparent/bräunlich, PU

s	2,0	3,0	5,0			
Ø	60	80	120			

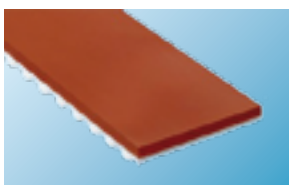






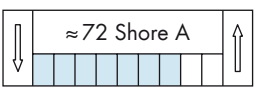
Eigenschaften ähnlich Polythan D15, jedoch mit geringerer Weiterreißfestigkeit

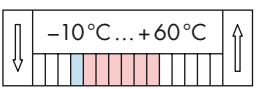
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.3	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

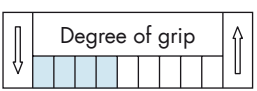


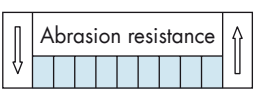
Polythan D44, transparent/ brownish, PU

s	2.0	3.0	5.0			
Ø	60	80	120			



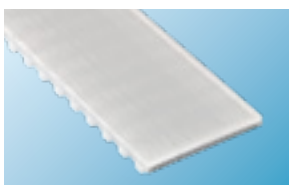






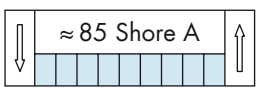
Characteristics comparable with Polythan D15, however less tear resistant

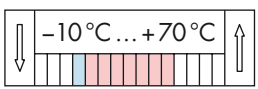
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.4	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

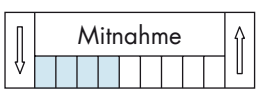


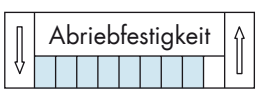
PU-Folie 85 Shore A/ T2, transparent, PU

s	2,0	3,0	4,0			
Ø	60	80	100			



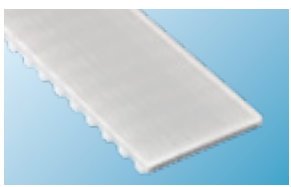






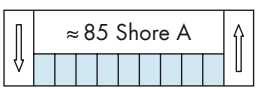
Weit verbreitet; besonders geeignet für schwere, scharfkantige Transportgüter z. B. in der Blech- und Glasverarbeitung; etwas weniger adhäsiv als PU-Folie 65 Shore A; Ausführung T2: 2 mm Höhe, 85 Shore A; im Gegensatz zur PU-Folie 85 Shore A wird diese Beschichtung als Standard direkt auf den Optibelt ALPHA linear T10, AT10 oder H extrudiert; Verschweißung zu ALPHA V zusammen mit der Beschichtung ohne Stoßstelle; durchgängig adhäsiv; weitere Profile, Höhen und Härten auf Anfrage

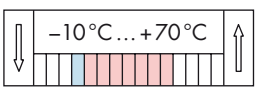
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.4	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

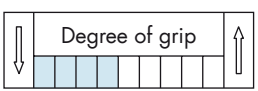


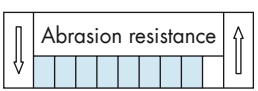
PU-foil 85 Shore A/ T2, transparent, PU

s	2.0	3.0	4.0			
Ø	60	80	100			



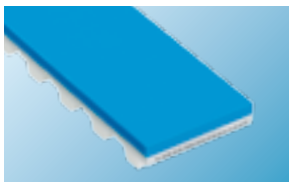






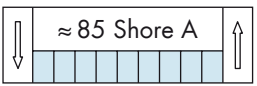
Common/widely-used; particularly suitable for heavy, sharp-edged conveyed goods, e. g. in sheet metal and glass processing; a bit less adhesive than PU-foil 65 Shore A;
Design T2: 2 mm height, 85 Shore A; in contrast to PU-foil 85 Shore A, this coating can be extruded directly onto the Optibelt ALPHA linear T10, AT10 or H; joined to ALPHA V with coating by welding process possible; further profiles, heights and hardness ranges on request

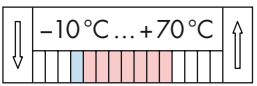
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.5	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

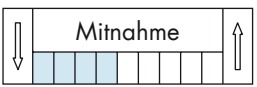


PU-Folie blau, Polyurethan (FDA)

s	2,0	3,0
Ø	60	80

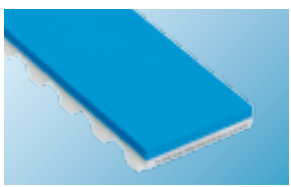






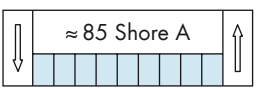
PU-Grundmaterial FDA-zugelassen für Lebensmittelindustrie; Einsatz auch in der Pharmaindustrie; verklebbar und im Gegensatz zu PVC aufschweißbar; im Vergleich zu anderen glatten FDA-Materialien große Härte und Abriebfestigkeit

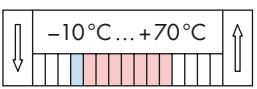
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.5	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

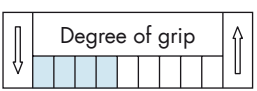


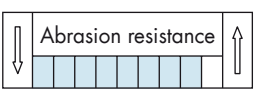
PU-foil blue, polyurethane (FDA)

s	2.0	3.0				
Ø	60	80				



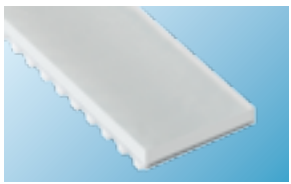






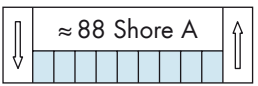
PU basic material, FDA approved for the food industry; also for use in the pharmaceutical industry; compared with other smooth FDA materials strong hardness and abrasion resistance

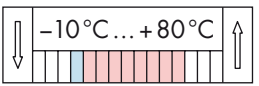
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.6	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

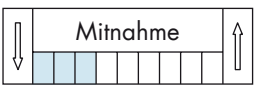


HV2-Folie, transparent, PU

s 2,0
Ø 70

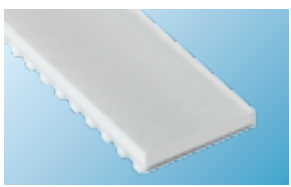






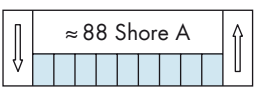
Im Gegensatz zu den extrudierten PU-Folien ist diese Folie kalandriert und besitzt dadurch eine glatte, glänzende Oberfläche; beste Adhäsion der PU-Folien

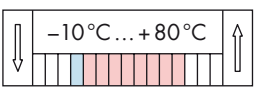
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.6	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

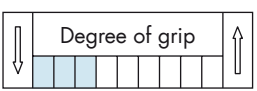


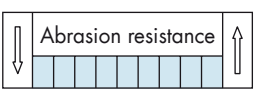
HV2-foil, transparent, PU

s 2.0
Ø 70



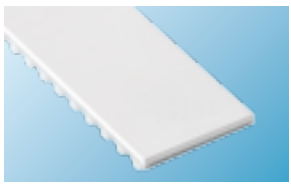






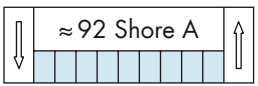
In contrast to extruded PU-foils this foil is calandered and thus has a smooth glossy surface; best adhesion characteristics of all PU-foils

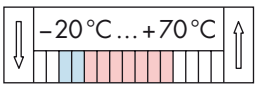
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.7	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit



PU-Folie 92 Shore A, weiß, Polyurethan

s	2,0	3,0	4,0
Ø	80	100	120

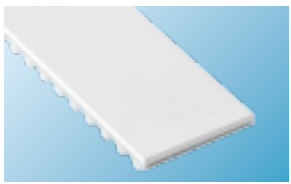




Material wie Optibelt ALPHA linear/V; Anwendung wie PU-Folie 85 Shore A, jedoch mit geringerer Mitnahme und höherer Abriebfestigkeit

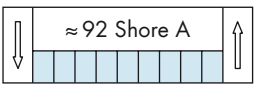
Ausführung verstärkter Rücken, ohne Muster: Im Gegensatz zur PU-Folie 92 Shore A ist der alternativ verstärkte Rücken Teil des Grundriemens für die Profile T5/AT5, s = 1,3 mm, T10/AT10, s = 2,5 mm; Verschweißung zu ALPHA V ohne Stoßstelle, durchgängig adhäsiv; weitere Profile, Höhen und Härten sowie Optibelt ALPHAflex auf Anfrage

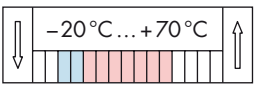
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.7	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

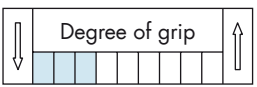


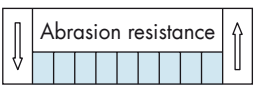
PU-foil 92 Shore A, white, polyurethane

s	2.0	3.0	4.0
Ø	80	100	120







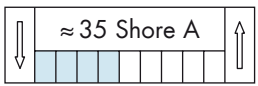


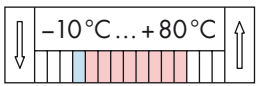
Compound identical to Optibelt ALPHA linear/V; same application as PU-foil 85 Shore A, however reduced degree of grip and improved abrasion resistance

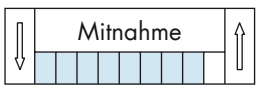
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.8	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

RP 400, gelb, Naturkautschuk

s	2,0	3,0	5,0	6,0	8,0	10,0
Ø	40	60	100	130	180	220





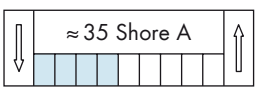


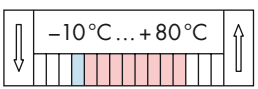
Feine Gewebestruktur; Eigenschaften ähnlich Linatex, jedoch höhere Abriebfestigkeit; Einsatz z. B. in Kabelabzugsanlagen

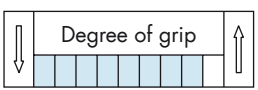
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.8	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

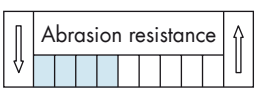
RP 400, yellow, natural rubber

s	2.0	3.0	5.0	6.0	8.0	10.0
Ø	40	60	100	130	180	220







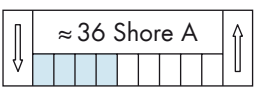


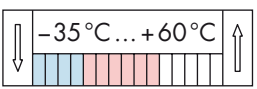
Fine fabric structure; characteristics similar to Linatex, however higher abrasion resistance; use e. g. in cable pulling systems

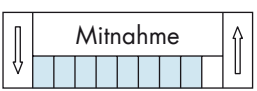
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.9	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

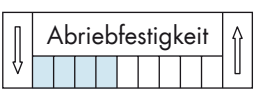
Correx beige, Naturkautschuk

s	4,0	6,0	10,0			
Ø	80	130	220			







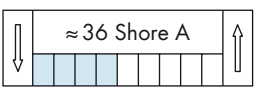


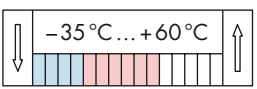
Universell einsetzbar; Eigenschaften ähnlich Linatex; Kontaktschichten zur Verklebung sind an der geschärften Stoßstelle sichtbar; z. B. Transport von Aluminiumprofilen

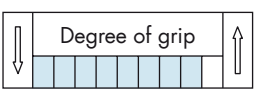
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.9	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

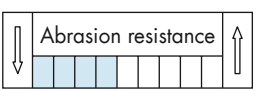
Correx beige, natural rubber

s	4.0	6.0	10.0
Ø	80	130	220







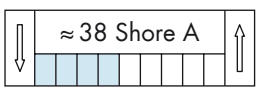


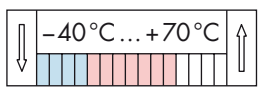
Universally applicable; characteristics similar to Linatex; layers of adhesives may be visible in the shafted joints area; e. g. for the conveyance of aluminium profiles

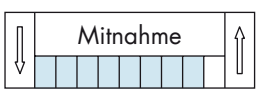
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.10	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

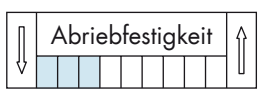
Linatex, rot, Naturkautschuk

s	1,5	2,4	3,2	5,0	6,4	8,0
Ø	30	50	65	100	140	180







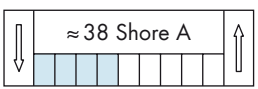


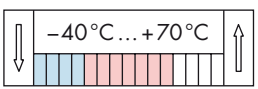
Sehr weit verbreitet; vielfältig einsetzbar; nochmals verbesserte Mitnahme durch optional aufgeraute, geschliffene Oberfläche; bei Feuchtigkeit im Vergleich höchster Reibbeiwert; konstante Mitnahmeeigenschaften durch Abrieb der Oberfläche möglich; Einsatz z. B. als Abzugsriemen und in Vakuumanwendung oder Transport von feuchtem Flachglas

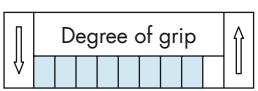
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.10	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

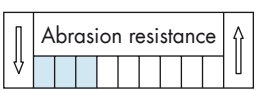
Linatex, red, natural rubber

s	1.5	2.4	3.2	5.0	6.4	8.0
Ø	30	50	65	100	140	180









Very common/widely-used; universally applicable, further improved degree of grip possible due to optionally ground surface; under moist conditions best coefficient of friction; applications e. g. as discharger belts, for use in vacuum or for the conveyance of wet flat glass

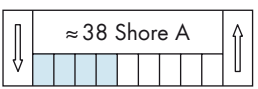
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.11	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit
	**Linaplus FGL, weiß, Naturkautschuk (FDA)** s 2,0 | 3,0 | 6,0 Ø 50 | 65 | 130	≈ 38 Shore A Mitnahme	–40 °C … +70 °C Abriebfestigkeit

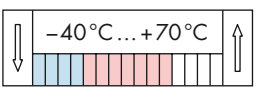
FDA-Zulassung für Lebensmittelkontakt; Transport von z. B. feuchten und/oder druckempfindlichen Lebensmitteln

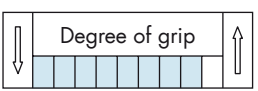
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.11	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

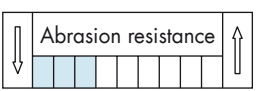
Linaplus FGL, white, natural rubber (FDA)

s	2.0	3.0	6.0			
Ø	50	65	130			







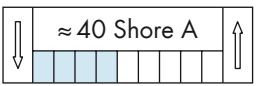


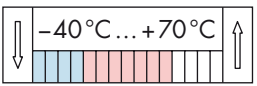
FDA approved for direct contact with food; conveyance of e. g. wet and/or pressure-sensitive food

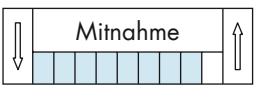
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.12	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

NG rot, Naturkautschuk

s	1,6	2,0	3,0	5,0	6,0	8,0
Ø	30	40	60	100	140	180





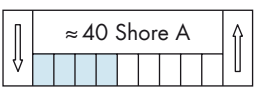


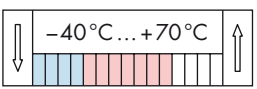
NG = Naturgummi; feine Gewebestruktur; preisgünstiger Verschleißschutz mit geringerer Mitnahme bei Feuchtigkeit und Nässe und nochmals schlechtere Bearbeitbarkeit im Vergleich zu Linatex

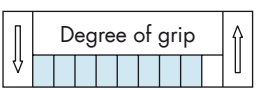
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.12	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

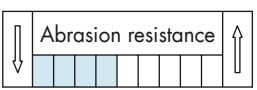
NG red, natural rubber

s	1.6	2.0	3.0	5.0	6.0	8.0
Ø	30	40	60	100	140	180







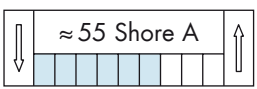


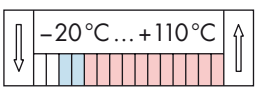
Fine fabric structure; low-priced wear protection with less degree of grip under moist and wet conditions

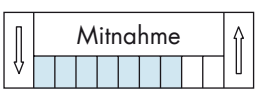
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.13	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

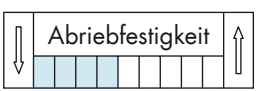
Linatrile, orange, Polymer NBR

s	3,0	6,0	10,0			
Ø	65	140	220			







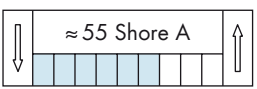


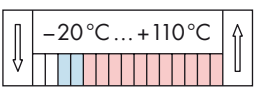
NBR: Nitril Butadiene Rubber; verbesserte Temperatur-, Öl-, Fett- und Alterungsbeständigkeit jeweils im Vergleich zu Naturkautschuk; vergleichsweise gute mechanische Bearbeitbarkeit; z. B. Vakuumtransport von ölbenetzten Blechen

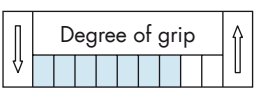
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.13	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

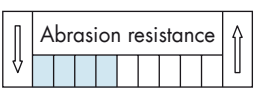
Linatrile, orange, Polymer NBR

s	3.0	6.0	10.0			
Ø	65	140	220			



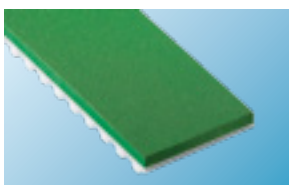






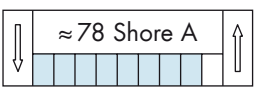
NBR: Nitrile Butadiene Rubber; improved temperature, oil, grease and aging resistance compared with natural rubber; comparatively good mechanical processability; e. g. for vacuum conveyance of oil-moistened metal sheets

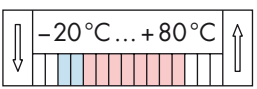
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.14	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

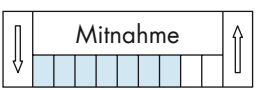


Elastomer grün, Gummi

s 2,0
Ø 60

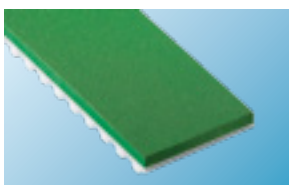






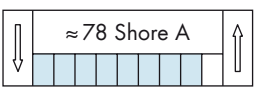
Feine Gewebestruktur; hohe Schnittfestigkeit; Transport z. B. von unbeschichtetem Holz, scharfkantigen Kartonagen oder leichten, scharfkantigen Steinen

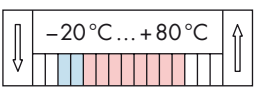
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.14	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

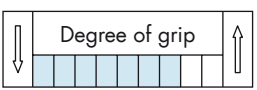


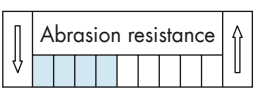
Elastomer green, rubber

s 2.0
Ø 60



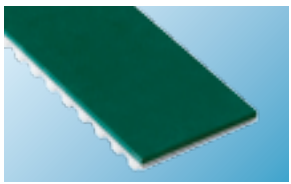






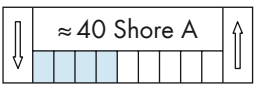
Fine fabric structure; high cut resistance; for the conveyance of e. g. uncoated wood, sharp-edged cardboard packaging or light, sharp-edged stones

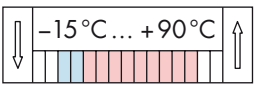
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.15	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

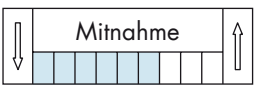


PVC-Folie petrol, Polyvinylchlorid

s 1,0
Ø 30

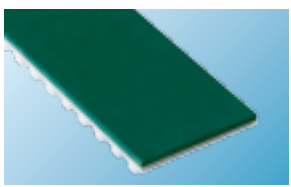






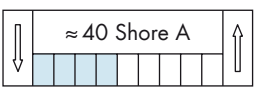
Durch sehr glatte Oberfläche bei Staubfreiheit gute Adhäsion z. B. zu Papier und Folien; Holz- und Kunststofftransport; Verpackungsindustrie; Abzugsbänder mit mittlerer Belastung

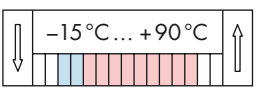
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.15	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

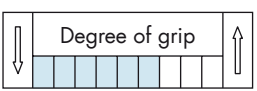


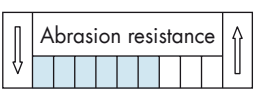
PVC-foil petrol blue, polyvinyl chloride

s 1.0
Ø 30



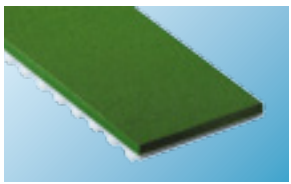






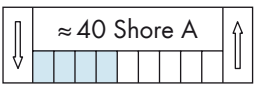
Due to its very smooth surface good adhesion characteristics, e.g. for the conveyance of paper and foils; conveyance of wood and plastics; packaging industry; discharge belts with medium load

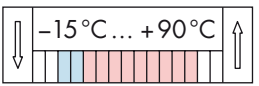
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.16	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

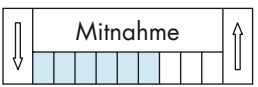


PVC-Folie grün, Polyvinylchlorid

s 2,0
Ø 60

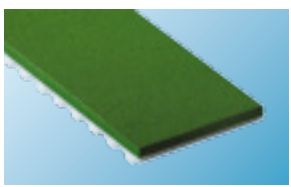






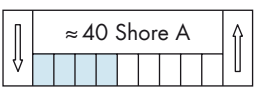
Eigenschaften und Einsatzgebiete wie PVC-Folie petrol, jedoch leicht öl- und fettbeständiger

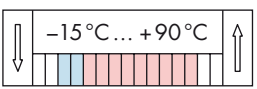
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.16	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

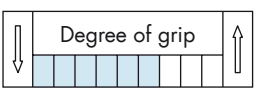


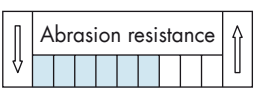
PVC-foil green, polyvinyl chloride

s 2.0
Ø 60

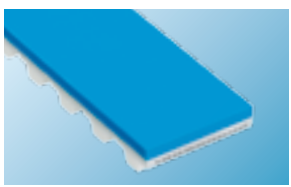
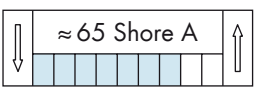
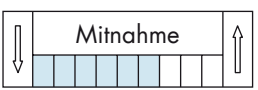
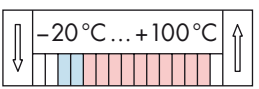






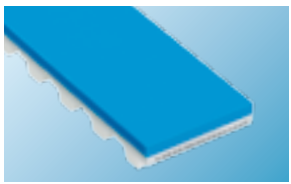


Characteristics and application areas same as PVC-foil petrol blue, however slightly more oil and grease resistant

Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.17	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**
	**PVC-Folie blau, PVC (FDA)** s 3,0 Ø 80	 	 

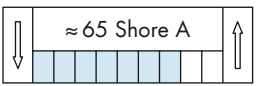
FDA-Zulassung für Lebensmittelkontakt; mittlere Transportgewichte; Weiteres analog PVC-Folie, petrol

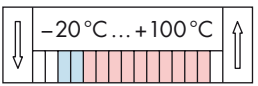
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.17	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

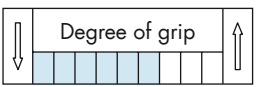


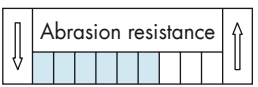
PVC-foil blue, PVC (FDA)

s 3.0
Ø 80



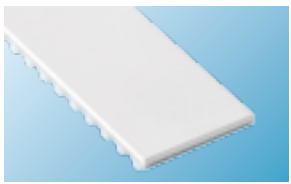






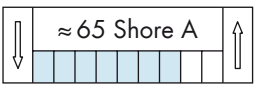
FDA approved for direct contact with food; medium conveyance loads; further characteristics same as PVC-foil petrol blue

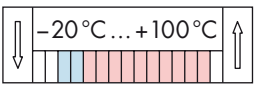
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.18	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

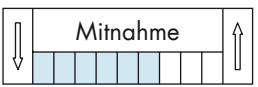


PVC-Folie weiß, PVC (FDA)

s	2,0	3,0
Ø	60	80

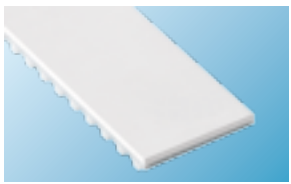






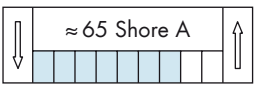
FDA-Zulassung für Lebensmittelkontakt; mittlere Transportgewichte; Weiteres analog PVC-Folie, petrol

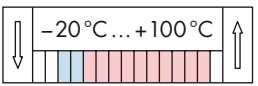
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.18	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

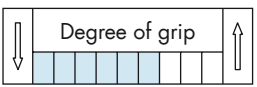


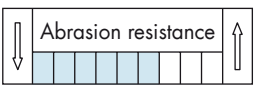
PVC-foil white, PVC (FDA)

s	2.0	3.0
Ø	60	80



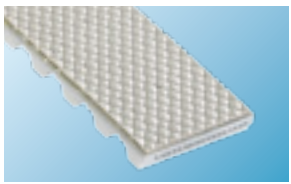






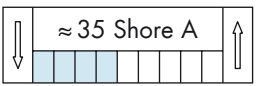
FDA approved for direct contact with food; medium conveyance loads; further characteristics same as PVC-foil petrol blue

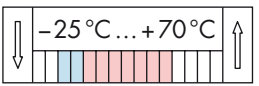
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.19	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

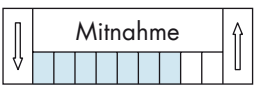


PVC Pepita, grau, PVC

s 1,0
Ø 30

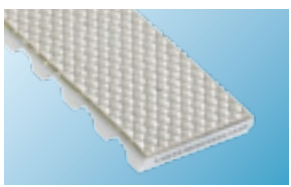






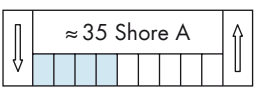
Leicht strukturiert; Transport leichter Güter, z. B. von Postsendungen

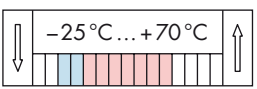
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.19	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

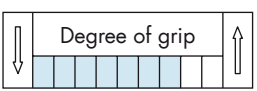


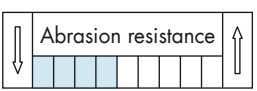
PVC Pepita, grey, PVC

s 1.0
Ø 30



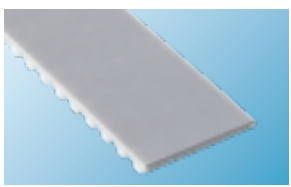






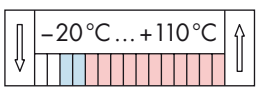
Slightly structured; conveyance of light goods, e. g. for postal applications

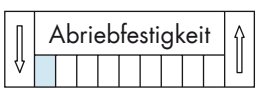
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.20	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit



PTFE, grau, Polytetrafluorethylen

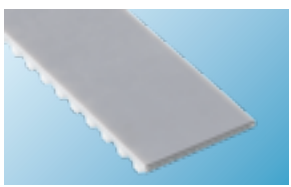
s 0,3
Ø 200





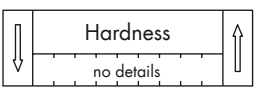
Antihaftend, z. B. für Bauteile mit frischem Kleber an der Oberfläche; hohe Temperatur- und Ölbeständigkeit für warmes Transportgut; niedrigere Temperaturbeständigkeit des Grundriemens und des Klebers erlaubt keine Durchwärmung: kurzzeitigen Kontakt und Abkühlphase planen; sehr niedrige Mitnahmefähigkeit; empfindliche Oberfläche, daher Relativbewegungen vermeiden; die offene Stoßstelle begrenzt den Mindestscheibendurchmesser

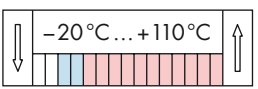
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.20	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

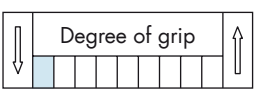


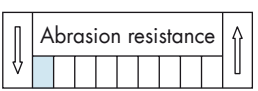
PTFE, grey, poly-tetrafluorethylene

s 0.3
Ø 200



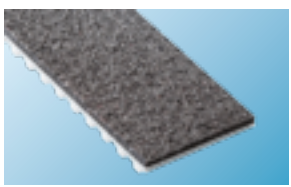






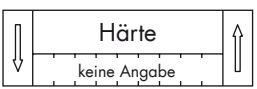
Non-adhesive, e. g. for parts with fresh glue on the surface; high temperature and oil resistance; for heated conveyed goods; lower temperature resistance of the basic belt and the adhesive does not allow higher temperature: beware of short contact and cooling periods; very low degree of grip; sensitive surface, therefore relative motions have to be avoided; the open joint increases the minimum pulley diameter

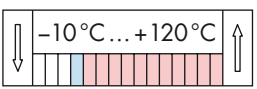
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.21	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

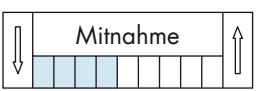


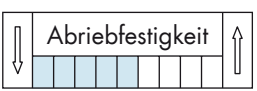
TT60, grau, Polyesterfaser

s 2,0
Ø 120



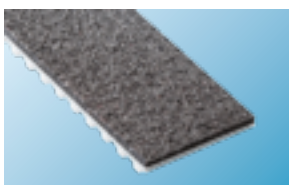






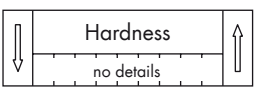
Antistatische Eigenschaften für elektronische Bauteile; hohe Temperaturbeständigkeit für warmes Transportgut; niedrigere Temperaturbeständigkeit des Grundriemens und des Klebers erlaubt keine Durchwärmung: kurzzeitigen Kontakt und Abkühlphase planen

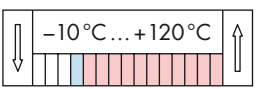
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.21	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

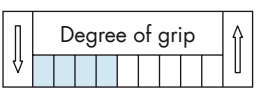


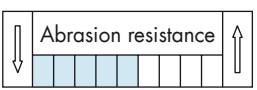
TT60, grey, polyester fibre

s 2.0
Ø 120







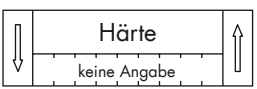


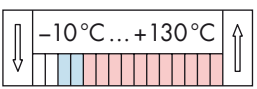
Antistatic characteristics for electronic parts; high temperature resistance for the conveyance of heated goods; lower temperature resistance of the basic belt and the adhesive does not allow higher temperature: beware of short contact and cooling periods

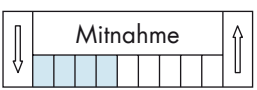
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.22	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

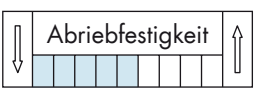
Paraflies, beige, Polyesterfaser

s 2,0
Ø 120







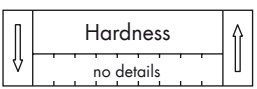


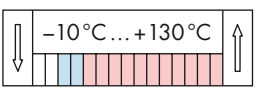
Transport von polierten Oberflächen; hohe Temperaturbeständigkeit für warmes Transportgut; niedrigere Temperaturbeständigkeit des Grundriemens und des Klebers erlaubt keine Durchwärmung: kurzzeitigen Kontakt und Abkühlphase planen

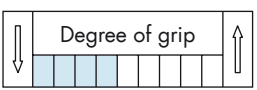
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.22	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

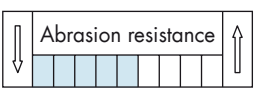
Para fleece, beige, polyester fibre

s 2.0
Ø 120



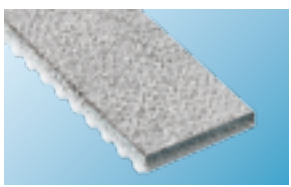






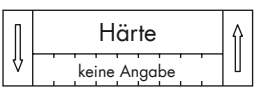
Conveyance of polished surfaces; high temperature resistance for the conveyance of heated goods; lower temperature resistance of the basic belt and the adhesive does not allow higher temperature: beware of short contact and cooling periods

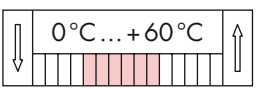
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.23	Standardstärken s [mm] Mindestscheiben-Ø [mm]	Mitnahmefähigkeit	Abriebfestigkeit

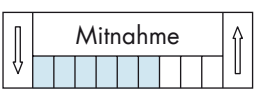


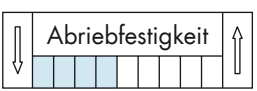
Chromleder, grau, Naturleder

s	2,0	3,0				
Ø	80	100				



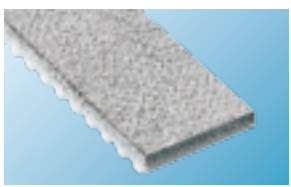






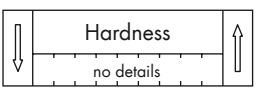
Aufgeraute, dadurch weiche Oberfläche; gute Schnittfestigkeit, hohe Öl- und Fettbeständigkeit, auch dabei gute Mitnahme; für z. B. scharfkantige, geölte oder gefettete Teile

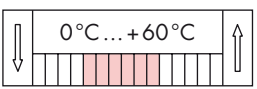
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.23	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

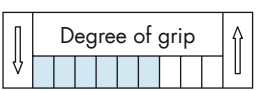


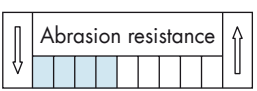
Chrome leather, grey, natural leather

s	2.0	3.0				
Ø	80	100				



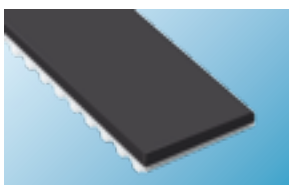






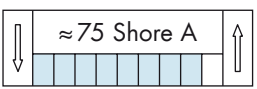
Roughened, thus soft surface; good cutting resistance, high oil and grease resistance, also good degree of grip characteristics; e. g. for sharp-edged, oiled or greased parts

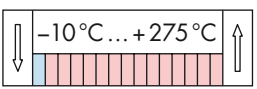
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.24	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

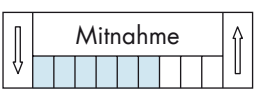


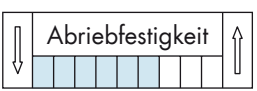
Viton, schwarz, Fluor-Kautschuk

s	2,0	3,0
Ø	80	100



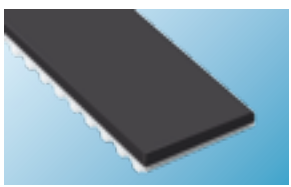






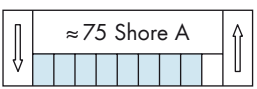
Sehr hohe Temperatur- und Ölbeständigkeit für warmes Transportgut; z. B. Einsatz in der Solarzellenherstellung; niedrigere Temperaturbeständigkeit des Grundriemens und des Klebers erlaubt keine Durchwärmung: kurzzeitigen Kontakt und Abkühlphase planen

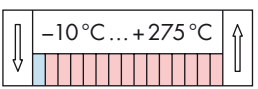
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.24	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

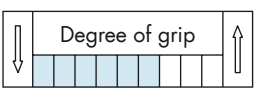


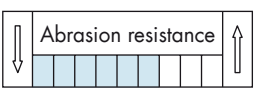
Viton, black, fluororubber

s	2.0	3.0
Ø	80	100



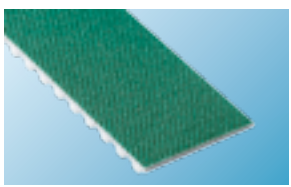






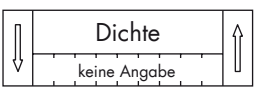
Extremely high temperature and oil resistance for the conveyance of heated goods; e. g. applications in solar cell production; lower temperature resistance of the basic belt and the adhesive does not allow higher temperature: beware of short contact and cooling periods

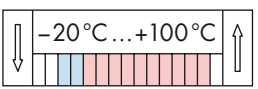
Abbildung der Beschichtung	Bezeichnung, Farbe, Material	Härte bzw. Dichte	Temperaturbeständigkeit
2.25	Standardstärken s [mm] Mindestscheiben-Ø [mm]	**Mitnahmefähigkeit**	**Abriebfestigkeit**

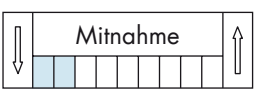


PA-Gewebe, grün, Polyamid

s	–*	0,5**				
Ø	–*	25**				



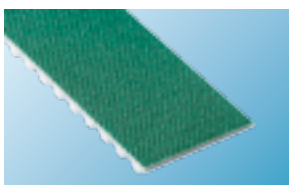




* PAR und/oder PAZ werden bei der Fertigung der Grundriemen direkt mit aufgebracht; das PA-Gewebe liegt dadurch innerhalb der Riemenkontur und baut somit weder zahn- noch rückenseitig auf; es gelten die je Profil angegebenen Mindestscheibendurchmesser.
PAZ: zahnseitig bei Transportriemen mit Stützschiene sowie Abzugsbändern mit Andruckschiene; Polyethylen-Stützschienen werden dabei nur für geringe und mittlere Lasten empfohlen; bei höheren Lasten wird Stahl empfohlen.
PAR: rückenseitig bei Stauförderern; bei Relativbewegung: geeignet für glatte Transportgutoberflächen; weniger geeignet für strukturierte bzw. profilierte Transportgutoberflächen

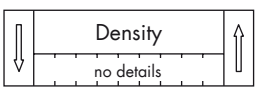
** PAR nachträglich: bei Bedarf nachträgliches Aufbringen möglich. Die Öl-, Fett- und allgemeine Chemikalienbeständigkeit entspricht ungefähr dem des thermo-plastischen Grundmaterials

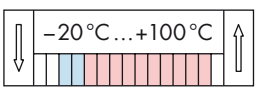
Picture	Name, Colour, Material	Hardness / Density	Temperature resistance
2.25	Standard thickness s [mm] Minimum pulley Ø [mm]	**Degree of grip**	**Abrasion resistance**

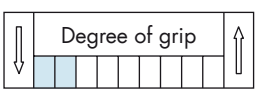


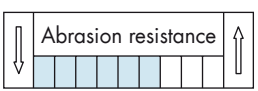
PA fabric, green, polyamide

s	–*	0.5**				
Ø	–*	25**				









* PAR and/or PAZ are applied directly on the basic belt during production, thus, the PA fabric lies within the belt outline and thus does not add to the toothed surface or belt top surface; the minimum pulley diameters given for each profile apply.
PAZ: on the toothed surface, for conveyor belts with support rail as well as discharge belts with form guide rail; polyethylene support rails are recommended only for medium loads; for high loads steel rails are recommended.
PAR: on the belt top surface, for accumulating conveyors; with relative motion: suitable for goods with a smooth surface; less suitable for structured or profiled surfaces

** PA fabric: can be applied in a secondary process if required. The oil, grease and general chemical resistance are almost the same as those of the thermo-plastic basic material.