FEC **Consulting**

PU LinearPower®

Belægninger til tandremme

ATLATOS®
PU Tandremme – Belagte remme
PU Timing Belts with backing

ATLATOS® PU Tandremme er meget alsidige transportbånd og drivelementer. Fordi de giver en positiv og dermed synkron kraftoverførsel, bruges tandremme til maskiner såvel som til at transportere varer og produkter. De garanterer netop synkroniserede arbejdsprocesser og, i lyset af deres høje ydeevne, optimerer tekniske processer i alle former for applikationer og maskiner.

ATLATOS® PU Timing Belts are highly versatile conveyor and drive elements. Because they provide positive and thus synchronous power transmission, timing belts are used for driving machinery as well as for conveying goods and products. They guarantee precisely synchronised work cycles and, given their high performance, optimise technical processes in all manner of applications.

ATLATOS® LINEAR

ATLATOS® Pu tandremme fremstilles som åbent materiale og anvendes både som lineære åbne tandremme, f.eks. til positionssystemer eller elevatorer, og som endeløse bånd af høj kvalitet. LINEAR POWER® PU Tandreme består af termoplastisk polyuretan (92° ShA.) og en stål cord af høj kvalitet, og tilbyder ikke kun høj slidstyrke, men også fremragende løbeegenskaber selv ved høje belastninger.

ATLATOS® Linear Timing Belts are produced as open-end material and are used both as linear solutions, e.g. for positioning systems or elevators, and as endless belts of high-quality finish. Consisting of thermoplastic polyurethane (92° Shore A) and high-quality steel tensile cords, ATLATOS® Linear Timing Belts offer not only high wear resistance, but also excellent running characteristics even at high loads.

ATLATOS® Flex PU Tandremme er produceret som endeløse helstøbte tandremme bruges,når ansøgningen kræver høj kraft transmission. , Fordi ATLATOS® Flex tandremme skal ikke smøres,de opererer med 100% styrke, så de kan drive maskiner og transportere tunge varer. Bifilar trækcord med twistning (S & Z) sikrer optimal sporing af remmen. Den meget fleksible ATLATOS® Flex produktionsmetode giver korte leveringstider og en lang række produktvariationer.

ATLATOS® Flex Timing Belts are produced as truly endless timing belts used whenever the application requires high force transmission. Because ATLATOS® Flex Timing Belts are seamless, they operate at 100% strength, allowing them to drive machinery and convey heavy goods. Bifilar tensile cord twisting (S&Z) ensures optimum tracking of the belt. The highly flexible ATLATOS® Flex production method allows short delivery times and a high diversity of product variations (colour, special tensile cords, etc.)

ATLATOS® FLEX

ATLATOS® DRIVE

ATLATOS® Standard PU tandremme fremstilles som endeløse tandremme i en særlig støbeproces. Denne metode gør det muligt at producere meget korte tandremme, der ellers ikke kan fremstilles ved konventionelle metoder. I betragtning af mangfoldigheden af længder er der opstillet en standard produktlinje.

ATLATOS® Drive Timing Belts are produced as endless timing belts in a special casting process. This method allows the production of very short belts that cannot otherwise be produced by conventional methods. Given the diversity of lengths, a standard product line has been established. www.fecconsulting.dk

ATLATOS® BELÆGNINGER

ATLATOS® Coatings

ATLATOS® PU tandremme af produktlinjerne Lineær, Flex og Drive kan belægges med forskellige materialer for at gøre vores produkter i stand til at opfylde spicelle behov til et stort antal forskellige applikationer. Udvælgelsen af den rigtige belægning er baseret på dine ønsker.

Vores sortiment af belægninger indeholder 50 forskellige materialer opdelt i følgende kategorier:

- Termoplastisk polyuretan
- PVC
- Elastomere belægninger
- Skummaterialer
- Filtlignende materialer
- Særlige belægninger
- Polyamid stof (PAZ / PAR)

På forespørgsel kan ATLATOS® PU tandremme mekanisk behandles. Mulighederne strækker sig fra riller på tand eller bagside og huller til vakuum anvendelser.

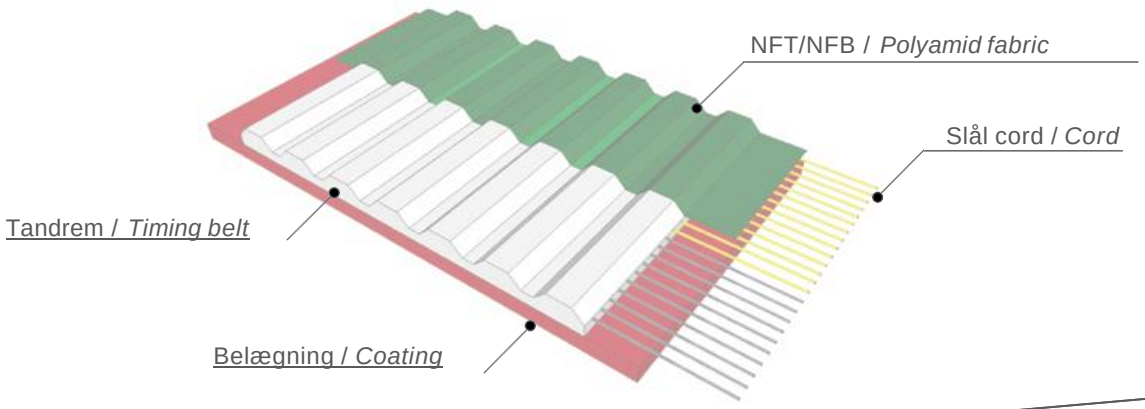
ATLATOS® PU Timing Belts of the productlines Linear, Flex and Drive can be coated with various materials to make our products able to fulfil an enormous number of different applications. The selection of the right coating is based on your wishes and the applications requirements.

Our range of coatings includes 50 different materials divided into the following categories:

- Thermoplastic Polyurethan (TPU)
- PVC
- Elastomere Coatings
- Foam- and Sponge materials
- Felt materials
- Very special coatings
- Polyamid fabrics (PAZ/PAR)

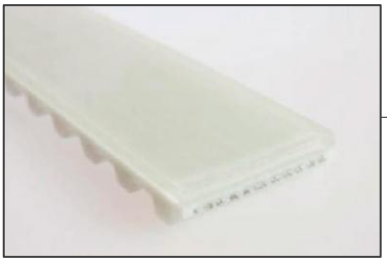
On request ATLATOS® PU Timing Belts can be mechanical processed. The possibilities extend from grooves on tooth or back side, ground belt surfaces to complex pockets and holes for vacuum applications.

For further information on our coating materials or an individual advice for your application, please do not hesitate to ask one of our FEC Consulting experts. Find more on www.fecconsulting.dk



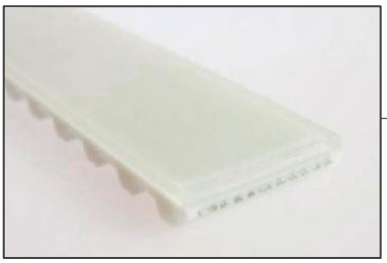
1. TPU BELÆGNINGER

TPU Coatings



TPU 85 transparent

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**1 / 2 / 3 / 4 / 5 / 6**
Materiale /*Material*	**Polyurethan / 85° Shore A**
Farve / *Colour*	**Transparent /** *transparent*
Overfalde/ *Surface*	**glat /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**nej /** *No*
Tykkelse faktor / *Pulley Factor*	**30**
Karakteristika / *Product features*	**god kemikalie-, olie- og fedt resistens**
	good chemical-, oil- and fat-resistance

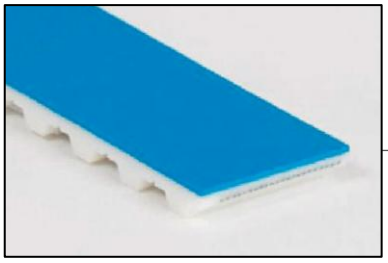


TPU 70 transparent

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**2 / 3**
Materiale /*Material*	**Polyurethan / 70° Shore A**
Farve / *Colour*	**transparent /** *transparent*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**god kemikalie-, olie- og fedt resistens**
	abrasion-, oil- and fat-resistance

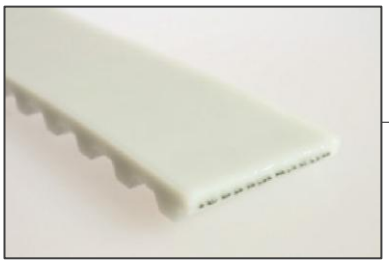
TPU 85 hvid

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**2 / 3**
Materiale /*Material*	**Polyurethan / 85° Shore A**
Farve / *Colour*	**hvid /** *white*
Overfalde/ *Surface*	**glat /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Ja** / Yes
Tykkelse faktor / *Pulley Factor*	**30**
Karakteristika / *Product features*	**hohe Öl- und Fettbeständigkeit**
	high oil- and fat-resistance



TPU 85 sky blå F

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**2 / 3**
Materiale /*Material*	**Polyurethan / 85° Shore A**
Farve / *Colour*	**Sky blå /** *sky-blue*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Ja** / Yes
Tykkelse faktor / *Pulley Factor*	**30**
Karakteristika / *Product features*	**hohe Öl- und Fettbeständigkeit**
	high oil- and fat-resistance

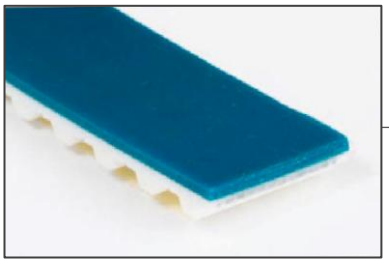


TPU 92

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**2,3**
Materiale /*Material*	**Polyurethan / 92° Shore A**
Farve / *Colour*	**Hvid /** *white*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**30**
Karakteristika / *Product features*	**god kemikalie-, olie- og fedt resistens**
	abrasion-, oil- and fat-resistance

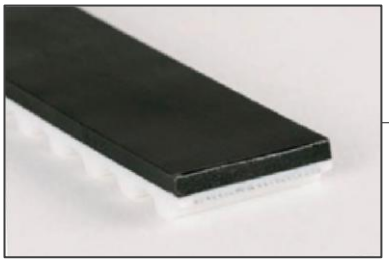
TPU 60 red

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**2**
Materiale /*Material*	**Polyurethan / 60° Shore A**
Farve / *Colour*	**Rød /** *red*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**god kemikalie-, olie- og fedt resistens**
	abrasion-, oil- and fat-resistance



TPU 60 petrol

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**2 / 3**
Materiale /*Material*	**Polyurethan / 60° Shore A**
Farve / *Colour*	**Petrolium /** *petrol*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**god kemikalie-, olie- og fedt resistens**
	abrasion-, oil- and fat-resistance



TPU 60 black

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**2 / 3**
Materiale /*Material*	**Polyurethan / 60° Shore A**
Farve / *Colour*	**schwarz /** *black*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**abriebfest , Öl- und Fettbeständigkeit**
	abrasion-, oil- and fat-resistance

Vulkollan D15

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**1 / 3**
Materiale /*Material*	**Vulkollan / 77°-87 Shore A**
Farve / *Colour*	**natur hellbraun /** tan
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-15°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**30**
Karakteristika / *Product features*	**hohe Öl- und Fettbeständigkeit**
	hydrolyse beständigkeit
	high oil- and fat-resistance
	hydrolysis consistancy

PRÆGNING AF TPU

Embossing for TPU

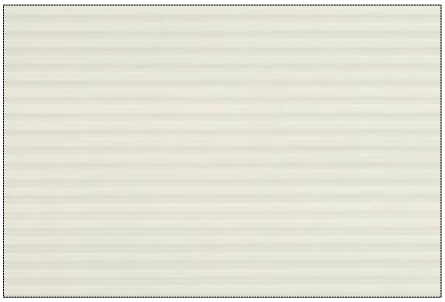
ATLATOS ® Belagte PU tandremme, der er forsynet med termoplastiske belægninger, kan præges i overfladen for at opnå de ønskede egenskaber, såsom forbedret greb.

ATLATOS®PU timing belts which are coated whith thermoplastic coverings can additionally be embossed with different pattern to achieve desired properties like improved grip.

S27 fishbone

Fischgrätstruktur
herringbone structure

S32 R / S32 S



Längsrillenstruktur rund und spitz
longitudinal groove round and pointed

S67 Grip

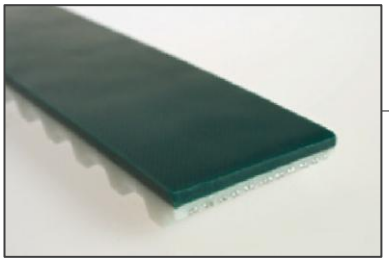
Grip
grip structure

Beschichtungsdicke und erforderliche Scheibendurchmesser auf Anfrage.

Coatink thickness and minimum pulley diameter on request.

2. PVC BELÆGNINGER

PVC Coatings

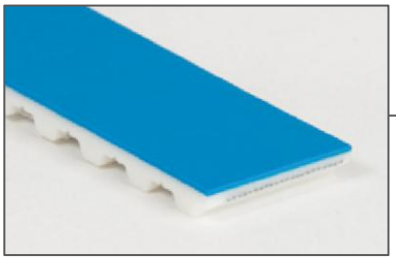


PVC 45 petrol

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**2,2**
Materiale /*Material*	**PVC / 45° Shore A**
Farve / *Colour*	**petrol /** *petrol*
Overfalde/ *Surface*	**glat /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-10°C /+60°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**20**
Karakteristika / *Product features*	**god kemikalie-, olie- og fedt resistens**
	Säure und Basenbeständigkeit
	abrasion-, oil- and fat-resistance,
	Acid- and base- resistance

PVC 60 hvid F

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**2**
Materiale /*Material*	**PVC / 60° Shore A**
Farve / *Colour*	**Hvid/** *white*
Overfalde/ *Surface*	**Glat /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-10°C /+80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Ja** / Yes
Tykkelse faktor / *Pulley Factor*	**20**
Karakteristika / *Product features*	**god kemikalie-, olie- og fedt resistens**
	adhesive, oil- and fat-resistance

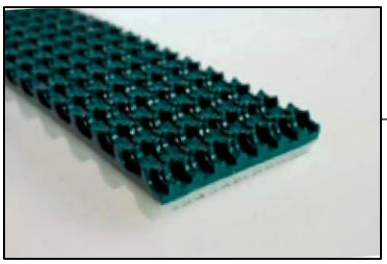


PVC 60 Sky blå F

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**2**
Materiale /*Material*	**PVC / 60° Shore A**
Farve / *Colour*	**Sky blå /** *Sky blue*
Overfalde/ *Surface*	**glat/** *smooth*
Temperaturområde / *Temperature range* **°C**	**-10°C /+80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Ja** / Yes
Tykkelse faktor / *Pulley Factor*	**20**
Karakteristika / *Product features*	**god kemikalie-, olie- og fedt resistens**
	adhesive, oil- and fat-resistance

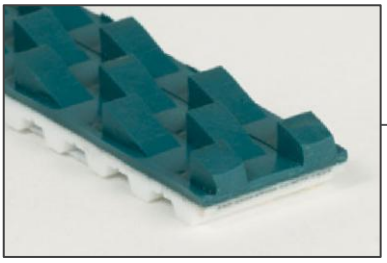
2. PVC BELÆGNINGER

PVC Coatings



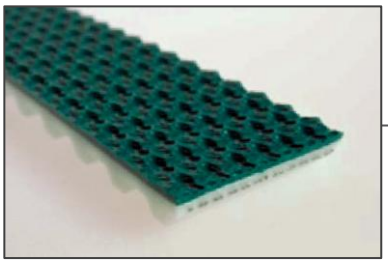
PVC S6 SUPERGRIP

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**3**
Materiale /*Material*	**PVC / 40° Shore A**
Farve / *Colour*	**petrol /** *petrol*
Overfalde/ *Surface*	**Supergrip /** *grip structure*
Temperaturområde / *Temperature range* **°C**	**-25°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**adhäsiv, beschränkt Öl- und Fettbeständigkeit**
	adhesive, limited oil- and fat-resistance



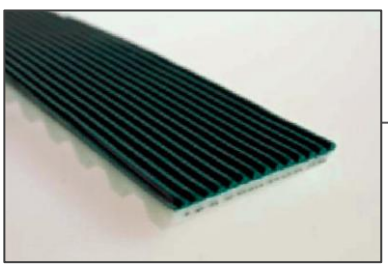
PVC 65 Haifish

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**7**
Materiale /*Material*	**PVC / 65° Shore A**
Farve / *Colour*	**petrol /** *petrol*
Overfalde/ *Surface*	**Zahnstruktur /** *Teeth structure (one direction)*
Temperaturområde / *Temperature range* **°C**	**-20°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**adhäsiv , gute Mitnahmefähigkeit**
	adhesive, easy release property



PVC S7 Mini grip

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**1,2**
Materiale /*Material*	**PVC / 60° Shore A**
Farve / *Colour*	**petrol /** *petrol*
Overfalde/ *Surface*	**Minigrip /** *basket weave*
Temperaturområde / *Temperature range* **°C**	**-10°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**hoch adhäsiv, Öl- und Fettbeständigkeit**
	highly adhesive, oil- and fat-resistance

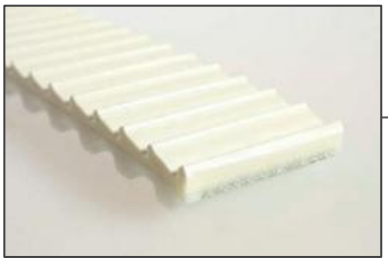


PVC S32

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**1,2**
Materiale /*Material*	**PVC / 60° Shore A**
Farve / *Colour*	**petrol /** *petrol*
Overfalde/ *Surface*	**Längsrillenstruktur /** *longitudinal groove*
Temperaturområde / *Temperature range* **°C**	**-10°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**god kemikalie-, olie- og fedt resistens**
	adhesive, oil- and fat-resistance

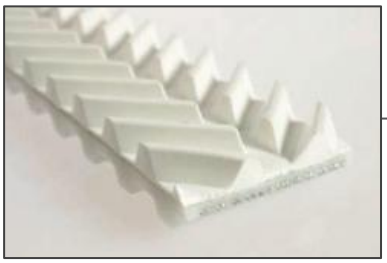
PVC S12

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**1,2**
Materiale /*Material*	**PVC / 60° Shore A**
Farve / *Colour*	**Hvid/** *white*
Overfalde/ *Surface*	**Querrille /** *diagonal groove*
Temperaturområde / *Temperature range* **°C**	**-10°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**adhäsiv, beschränkt Öl- und Fettbeständigkeit**
	adhesive, limited oil- and fat-resistance



PVC S13

Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**3**
Materiale /*Material*	**PVC / 60° Shore A**
Farve / *Colour*	**Hvid /** *white*
Overfalde/ *Surface*	**Sägezahnprofil /** *saw tooth*
Temperaturområde / *Temperature range* **°C**	**-10°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**adhäsiv, beschränkt Öl- und Fettbeständigkeit**
	adhesive, limited oil- and fat-resistance



PVC S27

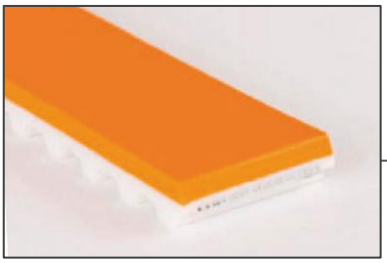
Produktbeskrivelse / *Features*	
Standard tykkelser/ *Thickness* **[mm]**	**4,5**
Materiale /*Material*	**PVC / 60° Shore A**
Farve / *Colour*	**Hvid /** *white*
Overfalde/ *Surface*	**Fischgrätstruktur /** *herringbone structure*
Temperaturområde / *Temperature range* **°C**	**-10°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**adhäsiv,**
	guter Wasserablauf durch Fischgrätstruktur
	Adhesive,
	good water expiry by herringbone structure

3. ELASTOMER BELÆGNINGER

Elastomer Coatings

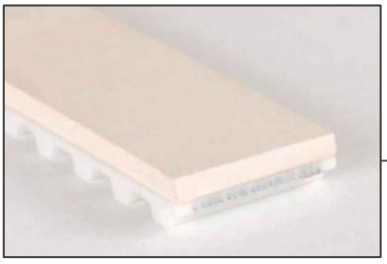
Linatex HM

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**2 / 3 / 4 / 5 / 6 / 7 / 8 / 10**
Materiale /*Material*	**Naturkautschuk /** *Natural rubber* **/ 40° Shore A**
Farve / *Colour*	**rot /** *red*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-40°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**15**
Karakteristika / *Product features*	**stark adhäsiv, hohe Verschleißfestigkeit**
	sehr schnittfest, gute Mitnahmefähigkeit
	highly adhesive, high wear resistance
	cut-resistant,



Linatrille

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**3 / 6**
Materiale /*Material*	**NBR /** *Nitrile* **/ 55° Shore A**
Farve / *Colour*	**orange /** *orange*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-20°C / +110°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**19**
Karakteristika / *Product features*	**stark adhäsiv, hohe Verschleißfestigkeit**
	hohe Temperaturbeständigkeit
	Öl- und Fettbeständigkeit
	highly adhesive, Constant coefficient of friction
	high temperature consistency
	oil- and fat-resistance



Linaplus

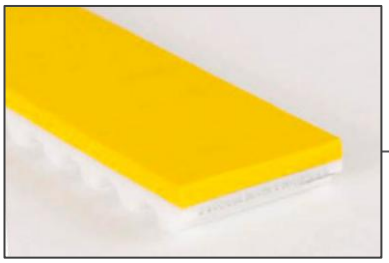
Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**2 / 3 / 5 / 6**
Materiale /*Material*	**Naturkautschuk /** *Natural rubber* **/ 40° Shore A**
Farve / *Colour*	**weiß /** *white*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-40°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Ja** / Yes
Tykkelse faktor / *Pulley Factor*	**15**
Karakteristika / *Product features*	**stark adhäsiv, überragende Rückprallelastizität**
	ausgezeichnet beständig gegen Nassabrieb
	Öl- und Fettbeständigkeit
	highly adhesive, superior rebound resilience
	excellently resistant to wet abrasion
	high coefficient of friction surface

Linard 60

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**3 / 6**
Materiale /*Material*	**Naturkautschuk /** *Natural rubber* **/ 60° Shore A**
Farve / *Colour*	**rot /** *red*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-40°C / +75°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nein /** *No*
Tykkelse faktor / *Pulley Factor*	**17**
Karakteristika / *Product features*	**überragende Rückprallelastizität**
	hochelastisch, ausgezeichnete Dichtungsmerkmale
	superior rebound resilience
	highly elastic, excellent gasket features

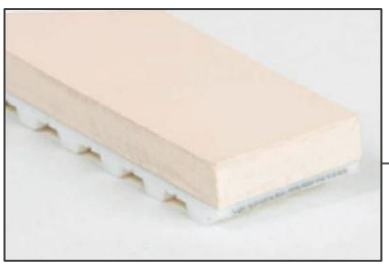
Correx

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**4 / 6 / 8 / 10**
Materiale /*Material*	**Naturkautschuk /** *Natural rubber* **/ 36° Shore A**
Farve / *Colour*	**beige /** *beige*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-15°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**20**
Karakteristika / *Product features*	**abriebfest, adhäsiv, flexibel bei Kälte**
	beständig gegen Nassabrieb
	abrasion-resistance, adhesive
	high coefficient of friction, resistance to wet abrasion



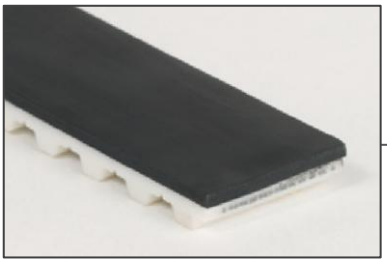
RP 430

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**2 / 3 / 4 / 5**
Materiale /*Material*	**Naturkautschuk /** *Natural rubber* **/ 39° Shore A**
Farve / *Colour*	**gelb /** *yellow*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**20**
Karakteristika / *Product features*	**abriebfest, säure- und laugenbeständig**
	Öl- und Fettbeständigkeit
	abrasion-resistance, acid-and-alkali resistance
	oil-and-fat resistance



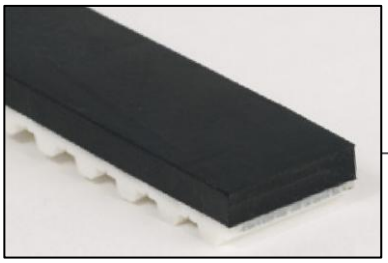
SBR 67

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**3 / 4 / 6**
Materiale /*Material*	**SBR / 65° Shore A**
Farve / *Colour*	**hell /** *light*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**bedingt (nicht für fetthaltige) /** *limited extent*
Tykkelse faktor / *Pulley Factor*	**20**
Karakteristika / *Product features*	**alkali-, säure- und laugenbeständig**
	acid-and-alkali resistance



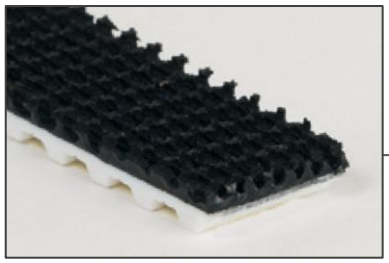
Viton

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**2 / 3**
Materiale /*Material*	**Fluorkautschuk /** *Fluorocarbon rubber* **/ 75° Shore A**
Farve / *Colour*	**Sort /** *black*
Overfalde/ *Surface*	**glatt/** *smooth*
Temperaturområde / *Temperature range* **°C**	**-20°C / +250°C (kurzfristig /** *short-acting* **+275°C)**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**hohe Öl-, Säure-, Laugen- und Fettbeständigkeit**
	hoch hitzebeständig
	high Chemical-, acid-, alkali- and oil resistance
	high heat stability



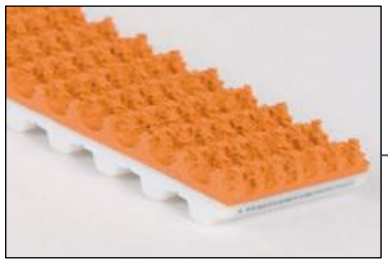
EPDM black

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**6 / 10**
Materiale /*Material*	**EPDM/ 70° Shore A**
Farve / *Colour*	**schwarz /** *black*
Overfalde/ *Surface*	**glatt /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-40°C / +100°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**gute Witterungs- und Ozonbeständigkeit**
	hohe Wasserbeständigkeit
	high weatherability- and ozone resistance
	high water resistance



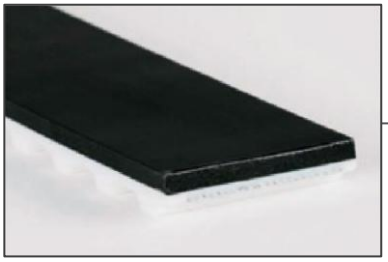
S37-60 black

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**3,5**
Materiale /*Material*	**Naturkautschuk /** *Natural rubber* **/ 60° Shore A**
Farve / *Colour*	**schwarz /** *black*
Overfalde/ *Surface*	**Supergrip /** *grip structure*
Temperaturområde / *Temperature range* **°C**	**-20°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**25**
Karakteristika / *Product features*	**adhäsiv, gute Mitnahmefähigkeit**
	adhesive, constant coefficient of friction



S37-40 brown

Produktbeskrivelse / *Features*	
Standarddicke / *Thickness* **[mm]**	**4,3**
Werkstoff / *Material* **- Härte/** *Hardness* **[Shore A]**	**Synthetischer Gummi /** *syntetic rubber/* **40° Shore A**
Farbe / *Colour*	**braun /** *brown*
Oberfläche / *Surface*	**Supergrip /** *grip structure*
Temperaturbereich / *Temperature range* **°C**	**-20°C / +80°C**
Lebensmittelzulassung / *Food approval [FDA]*	**Nej /** *No*
Dickenfaktor / *Pulley Factor*	**20**
Merkmale / *Product features*	**adhäsiv, gute Mitnahmefähigkeit**
	adhesive, constant coefficient of friction



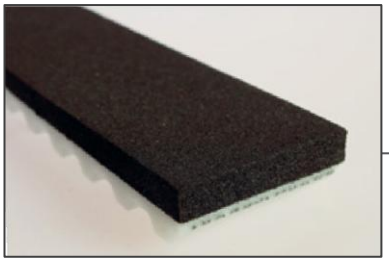
Nitrile

Produktbeskrivelse / *Features*	
Standarddicke / *Thickness* **[mm]**	**2 / 3 / 4**
Werkstoff / *Material* **- Härte/** *Hardness* **[Shore A]**	**NBR /** *Nitrile* **/ 60 - 70° Shore A**
Farve/ *Colour*	**Sort/** *black*
Overfalde / *Surface*	**Glat /** *smooth*
Temperaturbereich / *Temperature range* **°C**	**-20°C / +110°C**
Lebensmittelzulassung / *Food approval [FDA]*	**Nej /** *No*
Dickenfaktor / *Pulley Factor*	**25**
Merkmale / *Product features*	**adhäsiv, beschränkt Öl- und Fettbeständigkeit**
	adhesive, limited oil- and fat-resistance

4. SKUM BELÆGNINGER
Foam- and Sponge Coatings

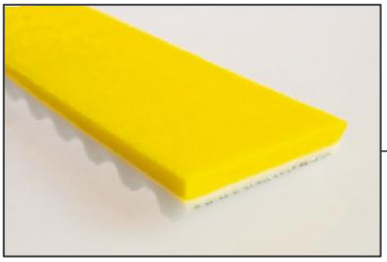
Celloflex

Produktbeskrivelse / *Features*	
Standarddicke / *Thickness* **[mm]**	**1 / 2 / 3 / 4 / 5 / 6 / 8 / 10**
Werkstoff /*Material* **- Raumdichte/***Density* **[kg/m³]**	**Closed-cell polyurethane foam / 350 [kg/m³]**
Farbe / *Colour*	**beige /** *beige*
Oberfläche / *Surface*	**fein /** *smooth*
Temperaturbereich / *Temperature range* **°C**	**-30°C / +80°C**
Lebensmittelzulassung / *Food approval [FDA]*	**Nej /** *No*
Dickenfaktor / *Pulley Factor*	**16**
Merkmale / *Product features*	**bedingt beständig gegen einfache Fette und Öle**
	flexibel und gute Dämpfungseigenschaften
	limited oil- and fat-resistance
	good flexibility and damping characteristics



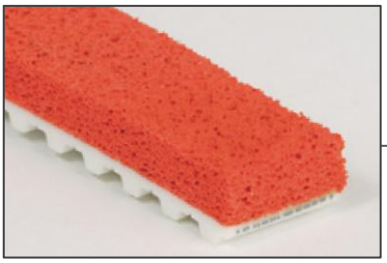
Porol

Produktbeskrivelse / *Features*	
Standarddicke / *Thickness* **[mm]**	**3 / 5 / 6 / 8 / 10 / 15**
Werkstoff /*Material* **- Raumdichte/***Density* **[kg/m³]**	**EPDM-S / 175 [kg/m³]**
Farbe / *Colour*	**schwarz /** *black*
Oberfläche / *Surface*	**fein /** smooth
Temperaturbereich / *Temperature range* **°C**	**-50°C / +110°C**
Lebensmittelzulassung / *Food approval [FDA]*	**Nej /** *No*
Dickenfaktor / *Pulley Factor*	**10**
Merkmale / *Product features*	**bedingt beständig gegen einfache Fette und Öle**
	antistatisch und abriebfest
	limited oil- and fat-resistance
	antistatic and abrasion-resistant



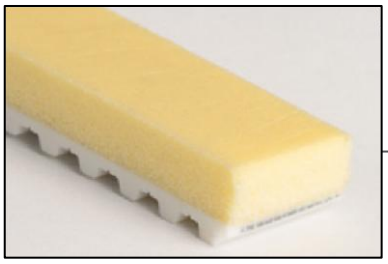
PU yellow

Produktbeskrivelse / *Features*	
Standarddicke / *Thickness* **[mm]**	**2 / 3 / 4 / 5 / 6 / 7 / 8 / 10**
Werkstoff /*Material* **- Raumdichte/***Density* **[kg/m³]**	**Polyurethan / 850 [kg/m³]**
Farbe / *Colour*	**gelb /** *yellow*
Oberfläche / *Surface*	**sehr fein /** *smooth*
Temperaturbereich / *Temperature range* **°C**	**-10°C / +80°C**
Lebensmittelzulassung / *Food approval [FDA]*	**Nej /** *No*
Dickenfaktor / *Pulley Factor*	**20**
Merkmale / *Product features*	**adhäsiv, abriebfest, Öl- und Fettbeständigkeit**
	adhesive, abrasion -, oil- and fat-resistance



Sponge rubber

Produktbeskrivelse / *Features*	
Standarddicke / *Thickness* **[mm]**	**10**
Werkstoff /*Material* **- Raumdichte/***Density* **[kg/m³]**	**Gummi /** *rubber* **/ 270 [kg/m³]**
Farve / *Colour*	**orange /** *orange*
Overflade / *Surface*	**offenporig /** ***open cell***
Temperaturbereich / *Temperature range* **°C**	**-10°C / +80°C**
Lebensmittelzulassung / *Food approval [FDA]*	**Nej /** *No*
Dickenfaktor / *Pulley Factor*	**10**
Merkmale / *Product features*	**sehr weich und kompremierbar**
	Abriebfestigkeit
	very smooth and compressible
	abresion resistance



Sylomer yellow

Produktbeskrivelse / *Features*	
Standarddicke / *Thickness* **[mm]**	**5 / 10 / 15**
Werkstoff /*Material* **- Raumdichte/***Density* **[kg/m³]**	**Polyurethan / 160 [kg/m³]**
Farbe / *Colour*	**gelb /** *yellow*
Oberfläche / *Surface*	**fein /** *smooth*
Temperaturbereich / *Temperature range* **°C**	**-30°C / +70°C**
Lebensmittelzulassung / *Food approval [FDA]*	**Nej /** *No*
Dickenfaktor / *Pulley Factor*	**10**
Merkmale / *Product features*	**sehr flexibel und komprimierbar**
	adhesiv, Öl- und Fettbeständigkeit
	good flexibility and compressible
	adhesive, oil- and fat-resistance

Sylomer blue

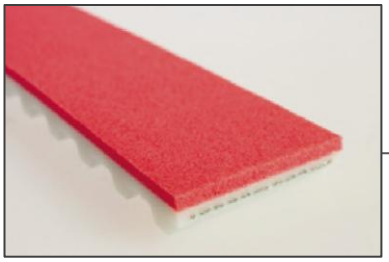
Produktbeskrivelse / *Features*	
Standarddicke / *Thickness* **[mm]**	**3 / 5 / 6 / 10 / 15**
Werkstoff /*Material* **- Raumdichte/***Density* **[kg/m³]**	**Polyurethan / 220 [kg/m³]**
Farbe / *Colour*	**blau /** *blue*
Oberfläche / *Surface*	**fein /** *smooth*
Temperaturbereich / *Temperature range* **°C**	**-30°C / +70°C**
Lebensmittelzulassung / *Food approval [FDA]*	**Nej /** *No*
Dickenfaktor / *Pulley Factor*	**12**
Merkmale / *Product features*	**sehr flexibel und komprimierbar**
	adhesiv, Öl- und Fettbeständigkeit
	good flexibility and compressible
	adhesive, oil- and fat-resistance

Sylomer grøn

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**3 / 5 / 6 / 10 / 15 / 18/ 22**
Matriale /*Material*	**Polyurethan / 280 [kg/m³]**
Farve / *Colour*	**grün /** *green*
Overfalde/ *Surface*	**fein /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**14**
Karakteristika / *Product features*	**sehr flexibel und komprimierbar**
	adhesiv, Öl- und Fettbeständigkeit
	good flexibility and compressible
	adhesive, oil- and fat-resistance

Sylomer brun

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**8 / 10 / 18**
Matriale /*Material*	**Polyurethan / 380 [kg/m³]**
Farve / *Colour*	**braun /** *brown*
Overfalde/ *Surface*	**fein /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**15**
Karakteristika / *Product features*	**sehr flexibel und komprimierbar**
	adhesiv, Öl- und Fettbeständigkeit
	good flexibility and compressible
	adhesive, oil- and fat-resistance

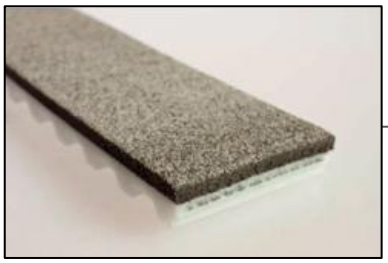


Sylomer rød

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**8 / 10 / 18**
Matriale /*Material*	**Polyurethan / 510 [kg/m³]**
Farve / *Colour*	**rot /** *red*
Overfalde/ *Surface*	**fein /** *smooth*
Temperaturområde / *Temperature range* **°C**	**-30°C / +70°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**17**
Karakteristika / *Product features*	**flexibel und komprimierbar**
	adhesiv, Öl- und Fettbeständigkeit
	flexibility and compressible
	adhesive, oil- and fat-resistance

5. FILT ELÆGNINGER

Felt Coatings



NF 25

Produktbeskrivelse/ *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**2,5**
Materiale /*Material*	**Filz /** *Needle Felt*
Farve / *Colour*	**anthrazit /** *anthracite*
Overfalde/ *Surface*	**Filz /** *needle felt*
Temperaturområde / *Temperature range* **°C**	**-10°C / +120°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**30**
Karakteristika / *Product features*	**abriebfest, konstant und sanft positiv griffig**
	abrasion-resistant, dimensionally stable

Kevlar

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**6 / 8 / 10**
Materiale /*Material*	**Kevlar**
Farve / *Colour*	**gelb /** *yellow*
Overfalde/ *Surface*	**Filz /** *needle felt*
Temperaturområde / *Temperature range* **°C**	**-10°C / +250°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**auf Anfrage /** *on request*
Karakteristika / *Product features*	**kurzzeitige Temperatur Beständigkeit 500°C**
	max 10 Min. Kurzkontakt
	short-time temperatur resistance 500°C
	maximum contact for 10 min.

Kevlar PBO

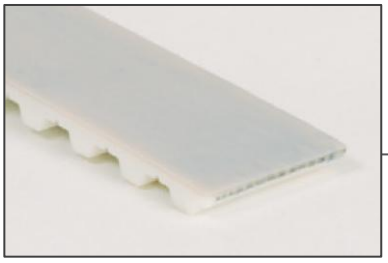
Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**4-2 / 6-2 / 8-2**
Materiale /*Material*	**Zylon-Kevlar**
Farve / *Colour*	**braun /** *brown*
Overfalde/ *Surface*	**Filz /** *needle felt*
Temperaturområde / *Temperature range* **°C**	**-10°C / +400°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**auf Anfrage /** *on request*
Karakteristika / *Product features*	**kurzzeitige Temperatur Beständigkeit 500°C**
	max 10 Min. Kurzkontakt
	short-time temperatur resistance 500°C
	maximum contact for 10 min.

6.SPECIAL BELÆGNINGER

Special Coatings

Chrome leather

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**ca. 2**
Materiale /*Material*	**Leder /** *leather*
Farve / *Colour*	**grau /** *light gray*
Overfalde/ *Surface*	**rau /** *leather structur*
Temperaturområde / *Temperature range* **°C**	**-0°C / +60°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**30**
Karakteristika / *Product features*	**abriebfest, wetterbeständig**
	Öl- und Fettbeständigkeit
	abrasion-resistant, oil-and fat-resistance
	constant grip and release property



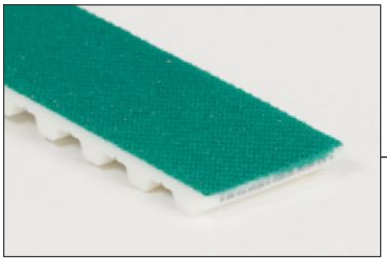
PTFE / TEFLON

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**0,2**
Materiale /*Material*	**PTFE / Teflon**
Farve / *Colour*	**grå /** *gray*
Overfalde/ *Surface*	**glat /** *glossy*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**10**
Karakteristika / *Product features*	**geringer Reibwert, nicht adhäsiv**
	low coefficient of friction
	ideal in accumulation

7. Nylon væv
Polyamid fabric

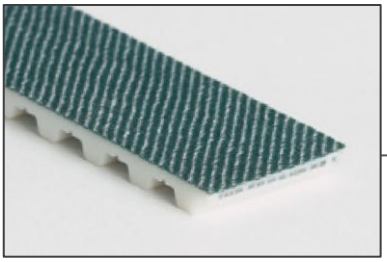
ATLATOS ® PU tandremme kan være dækket af et specielt Polyamid stof (PA) under produktionsprocessen. Denne dækning beskytter timebåndet mod slid og reducerer friktionen mellem timebåndet og en glidebord, f.eks. når bæltet bruges til at formidle varer. Det er muligt at dække bagsiden af bæltet (PAR), tændersiden (PAZ) eller begge tænder og bagsiden (PAZ / PAR).

ATLATOS® PU timing belts can be covered with a special Polyamid fabric (PA) during the production process. This covering protects the timing belt from abrasion and reduces friction between the timing belt and a slider bed, e.g. when the belt is used to convey goods. It is possible to cover the backside of the belt (PAR), the teeth side (PAZ) or both teeth and backside (PAZ/PAR).



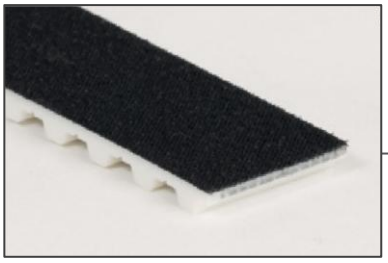
PA green / NFB grøn

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**0,4**
Materiale /*Material*	**Polyamid**
Farve / *Colour*	**grün /** *gree*
Overfalde/ *Surface*	**Nylon væv /** *textile structure*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**hoch abriebfest, nicht adhäsiv**
	high abrasion resistance, non-adhesive



PA gray / NFB grå

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**0,4**
Materiale /*Material*	**Polyamid**
Farve / *Colour*	**grau /** *gray*
Overfalde/ *Surface*	**Nylon væv /** *textile structure*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**hoch abriebfest, nicht adhäsiv**
	high abrasion resistance, non-adhesive



PA black / NFB sort

Produktbeskrivelse / *Features*	
Standard tykkelse/ *Thickness* **[mm]**	**0,4**
Materiale /*Material*	**Polyamid**
Farve / *Colour*	**Sort /** *black*
Overfalde/ *Surface*	**Nylon væv /** *textile structure*
Temperaturområde / *Temperature range* **°C**	**-30°C / +80°C**
Fødevaregodkendt / *Food approval [FDA]*	**Nej /** *No*
Tykkelse faktor / *Pulley Factor*	**antistatisch, hoch abriebfest, nicht adhäsiv**
	antistatic, high abrasion resistance, non-adhesive

PA white / NFB hvid

Produktbeschreibung/ *Features*	
Standarddicke / *Thickness* **[mm]**	**0,4**
Werkstoff / *Material*	**Polyamid**
Farbe / *Colour*	**weiß /** *white*
Oberfläche / *Surface*	**fein /** *textile structure*
Temperaturbereich / *Temperature range °C*	**-30°C / +80°C**
Lebensmittelzulassung / *Food approval [FDA]*	**Nej /** *No*
Merkmale / *Product features*	**hoch abriebfest, nicht adhäsiv**
	high abrasion resistance, non-adhesive

Friktionskoefficienten µ af disse standard belægninger sammenlignet med almindelige glasoverflader, såsom stål, aluminium eller specialglidende plastik er:

NFT/NFB / Stahl:	**µ = 0,30 – 0,40**
NFT/NFB / Aluminium:	**µ = 0,30 – 0,35**
NFT/NFB / Gleitkunststoff:	**µ = 0,18 – 0,35**

Til sammenligning er friktionskoefficienten µ for det enkle, dvs. Uden (NFT) tandremme:

Polyurethan / Stål:	**µ = 0,60 – 0,80**
Polyurethan / Aluminium:	**µ = 0,60 – 0,75**
Polyurethan / Nylon	**µ = 0,25 – 0,50**

The coefficient of friction µ of this standard fabric measured for sliding surfaces like steel, aluminum and special slider plastics is:

PA-fabric / steel:	µ = 0,30 – 0,40
PA-fabric / aluminum:	µ = 0,30 – 0,35
PA-fabric / slider plastic:	µ = 0,18 – 0,35

Compared to this the coefficient of friction for an uncovered timing belt is:

Polyurethane / steel:	µ = 0,60 – 0,80
Polyurethane / aluminum:	µ = 0,60 – 0,75
Polyurethane / slider plastic:	µ = 0,25 – 0,50

Bemærkninger:

For rem dimensioner, der overstiger standard belægning dimensioner, bliver belægningen muligvis samlet flere gange. Remskivefaktoren kan anvendes til at bestemme den minimale remskive diameter af belagte tandremme ved at multiplicere tykkelsen af belægningen ved hjælp af remskivefaktoren. Den mindste remskive diameter påvirkes også af basisbæltet.

Minimum skive diameter: standard tykkelse x tykkelse faktor

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Please note:

For belt dimensions beyond the standard coating dimensions, the coating material may be tiled.

The pulley teeth factor is used to calculate the minimum pulley diameter for coated timing belts, by multiplying the thickness of the coating by the pulley teeth factor. The minimum pulley diameter is also influenced by the base belt.

Pulley diameter: Backing Thickness x Pully teeth factor

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FEC Consulting has positioned itself over many decades as a complete solution provider in the manufacture and application of plastic conveyor belts, timing belts and coatings.

En del af porteføljen:
The further portfolio also includes:

FEC Prozess- & Transportbänder | *FEC Processs & Conveyor Belts.*

ATLATOS®- PU Tandremme| *The Timing Belt.*
ATLATOS®- Polyurethan Tandremme | Polyurethane Timing Belts.
ATLATOS®- FLEX Tandremme | FLEX Timing Belts.

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