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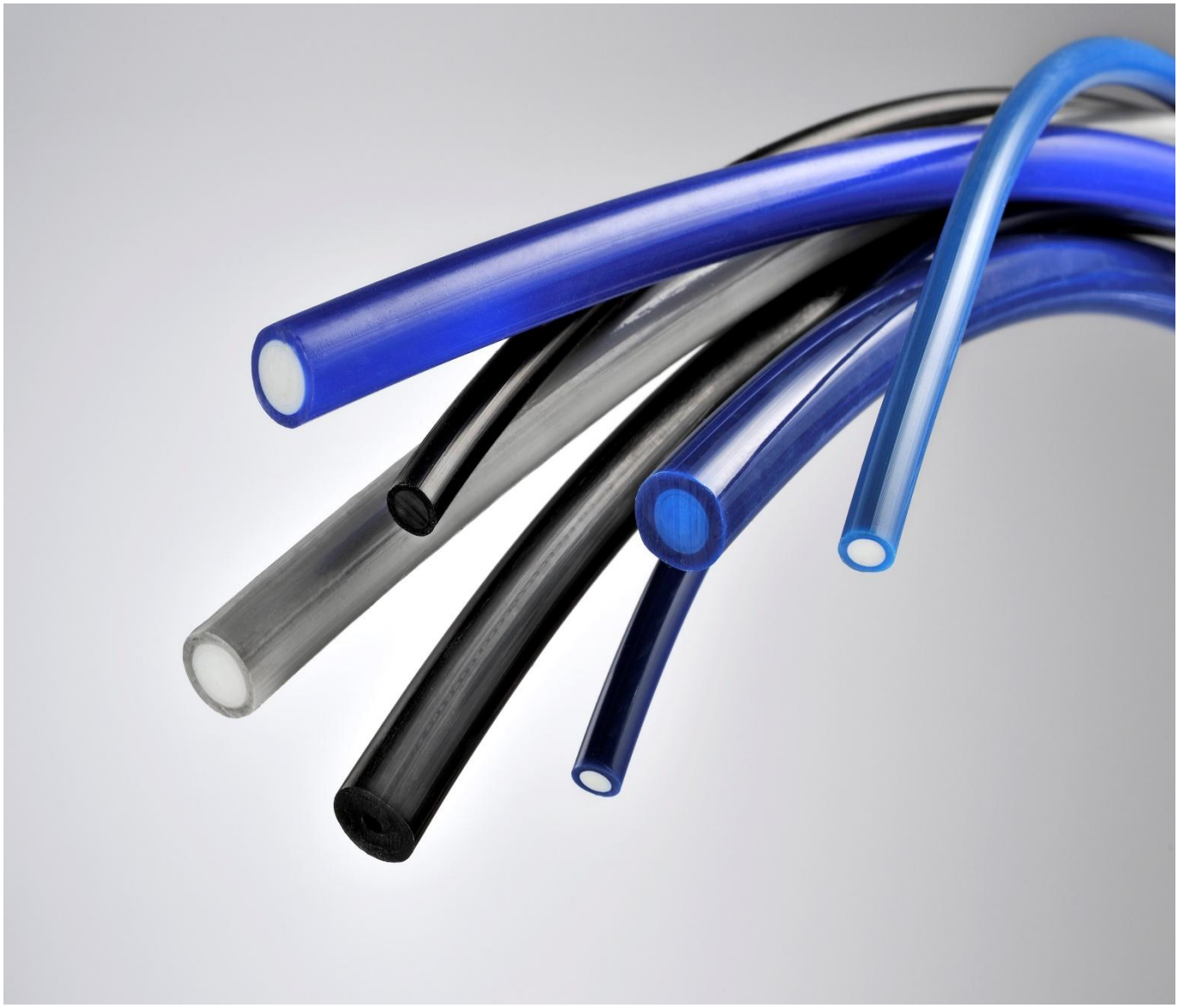
Driving gear and conveyor technology
Profiled belts
Continuous round belts
turned and plaited

Co-extruded PU round belts



Co-extruded PU round belts

Co-extruded PU round belts combine the advantages of different raw materials for optimal functionality in each application.

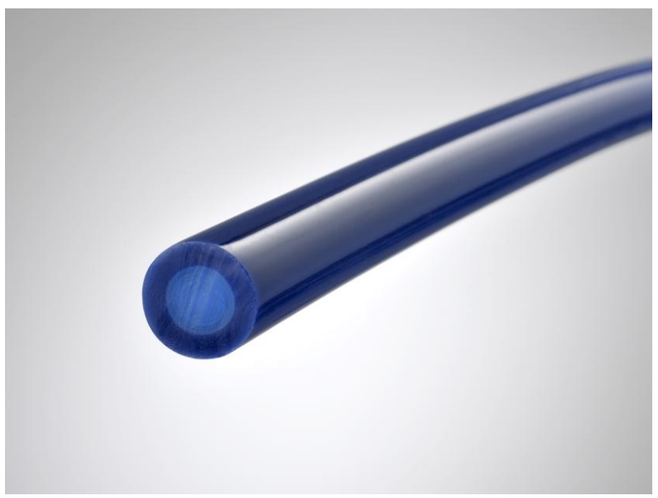
Our manufacturing process allows to match different raw materials with different profiles, e.g. a hollow profile with a EU/FDA coat.

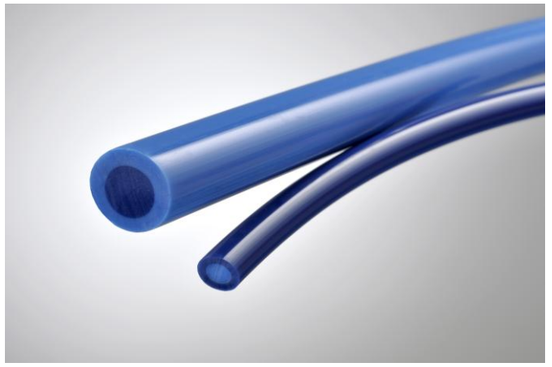
This also allows significant improvement of the welding properties of highly filled types of raw material

Depending on the application, our anti-static[2] types are extruded with different cores:

- with an unfilled core for an optimal welding seam.
- with an unfilled hollow profile core to protect the weld against lateral shearing forces.
- with individually designed core diameters depending on the specific demands on the belt.

Smaller pulley diameters can be realised by using softer cores, even for FDA / EU approved types. High friction values can be considerably reduced by using a harder coat.





Our FDA / EU compliant types are characterized by:

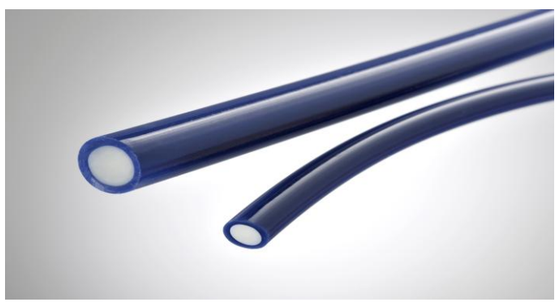
- very good resistance to hydrolysis
- very good resistance to microbes
- particularly long service life in wet areas
- high abrasion resistance
- FDA/EU compliant types of 60 to 90 Sh.A
- high flexibility at low temperatures
- easy to clean

Soft raw materials with a low tensile strength are matched with a harder core for ideal product properties.

As in this example of a 45 Sh.A coat with very high adhesion and a 90 Sh.A core with a high tensile strength.

Type	Adhesion	Friction coefficient[1] µ to V2A steel / Murtfeld S green polished	Superfinish	temperature-resistant °C	Tensile strength MPa DIN 53504-S2 / ISO 37	Abrasion mm³ DIN ISO 4649-A
35 Sh. signal grey.	very high	0,85 µ	0,50 µ	-20°C - +50°C	12	165
45 Sh.A grey white	very high	0,80 µ	0,50 µ	-20°C - +50°C	25	39
60 Sh.A ultramarine, EU/FDA	very high	0,70 µ	0,40 µ	-30°C - +55°C	26	44
70 Sh.A sapphire blue, EU/FDA	very high	0,65 µ	0,40 µ	-35°C - +60°C	30	45
75 Sh.A sky blue, EU/FDA	high	0,60 µ	0,40 µ	-20°C - +60°C	45	30
80 Sh.A transparent, EU/FDA	high	0,55 µ	0,30 µ	-20°C - +60°C	45	25
85 Sh.A ultramarine, EU/FDA	average	0,55 µ	0,30 µ	-20°C - +60°C	45	25
85 Sh.A black, antistatisch[2]	average	0,55 µ	0,35 µ	-20°C - +60°C	40	54
85 Sh.A milky white	average	0,50 µ	0,30 µ	-20°C - +60°C	50	30
88 Sh.A milky white	average	0,40 µ	0,30 µ	-20°C - +60°C	50	30
90 Sh.A white, EU/FDA	low	0,45 µ	0,25 µ	-15°C - +70°C	50	25

Our EU / FDA types are highly resistant to hydrolysis and microbes and flexible at low temperatures. Thus, they are particularly suitable for the use in wet areas.
The colours shown may vary depending on the raw material pairs.



60 Sh.A EU/FDA sheath with 90 Sh.A core

70 Sh.A EU/FDA sheath with 90 Sh.A core

[1] According to Pflug test specification SPPN 91.001
[2] Tested according to DIN EN 61340-2-3. Volume resistance [Ω] approx. 10^4. These values may vary depending on the production batch.

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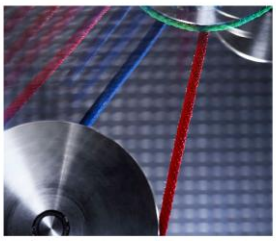
Company profile



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Testing Service

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Welded timing belts
in short lengths

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Round belts for
heat-setting machines

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Endless injected round belts

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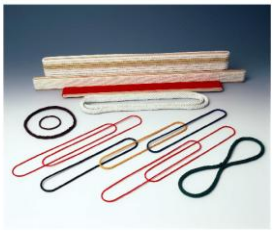
Endless turned round belts



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Endless plaited round belts

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Hooked belts

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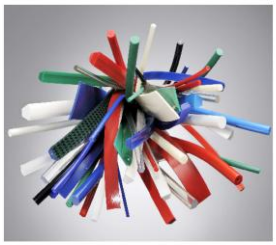
PU round- and profile belts



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PU profile belts and
special profiles

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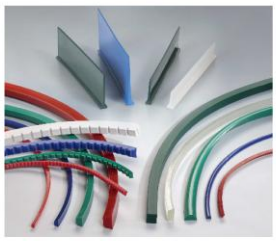
PU tracking guides, cleats
and guides



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Food line

Types for the food industry compliant to EU/FDA

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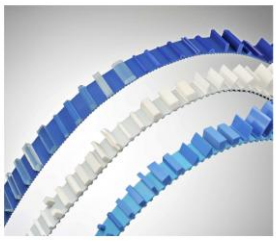
PU cleats and block profiles



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PU Poly-V belts

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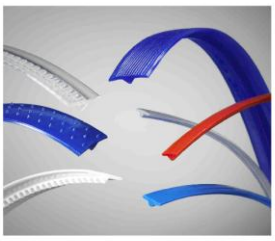
PU-V-guide belts
compliant to EU/FDA



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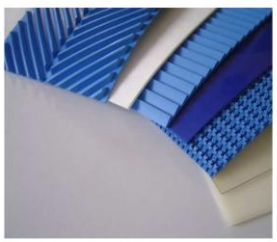
PU coatings



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