

pflug.



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

Endless injected PU-round belts



Endles injected PU-round belts

we manufacture from a wide variety of PU types. These are selected and processed for the respective application according to the specific requirements.

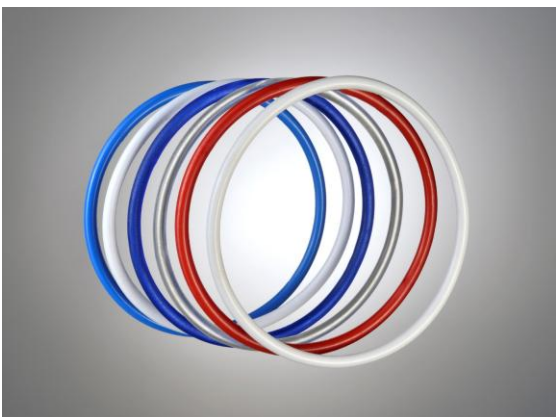
Due to the spraying process, these types do not have any welds, which are a natural weak point in the belt. These belts are homogeneous over the entire circumference and are therefore also insensitive to lateral shearing forces, which otherwise put a lot of strain on the weld point and damage it prematurely when used in a set configuration.

On our systems, we inject belts up to a circumference of 405 mm LW untensioned and a part weight of max. 14 grams. This roughly corresponds to the dimension of 405x5mm.

For the injection process we use, new injection molds can be created quickly and inexpensively, and thus smaller quantities can also be manufactured at an attractive price.



Injected PU-round belts



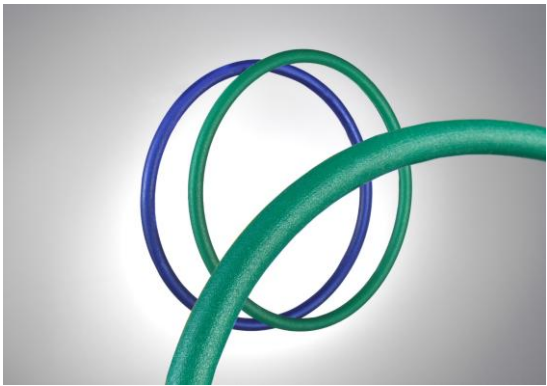
injected PU-round belts
EU/FDA-compliant

General properties

- highly abrasion-resistant
- long life span
- resistant to oils and fats

EU/FDA types

- excellent resistance to hydrolyses
- very good resistance to microbes
- particularly suitable for the use in wet areas
- compliant to EU-Regulation EU VO No. 10/2011
- high flexibility at low temperatures



Rough surface

Technical specifications of our standart types for endles injected PU-round belts

Type	Tensile strength MPa DIN 53504-S2 / ISO 37	Abrasion mm ³ DIN ISO 4649-A	Tear growth resistance N/mm DIN ISO 34-1Bb	N per mm ² for 8% pre-tension ⁴	Pre-tension recommended	Minimum pulley-diameter per mm belt diameter	Friction coefficient ¹ μ to V2A steel / Murtfeld S green ground Superfinish		Temperature-resistant C ³	Adhesion
60 Sh.A ultramarine blue, EU/FDA ⁵	26	44	41	0,80	6 – 10%	5 x	0,70	0,40	-30°C - +55°C	very high
60 Sh.A natural	38	50	40	1,02	6 – 10%	5 x	0,70	0,40	-30°C - +55°C	very high
70 Sh.A sapphire, EU/FDA	30	45	45	1,04	6 – 10%	6 x	0,65	0,40	-35°C - +60°C	very high
75 Sh.A sky blue / red, EU/FDA	45	30	55	1,83	6 – 10%	7,5 x	0,60	0,40	-15°C - +60°C	high
75 Sh.A red	45	25	60	1,83	6 – 10%	7,5 x	0,60	0,40	-15°C - +60°C	high
85 Sh.A ultramarine blue, EU/FDA	45	40	70	1,73	6 – 10%	8 x	0,55	0,30	-15°C - +60°C	average
85 Sh.A black, antistatic ²	40	54	65	1,78	6 – 10%	8,5 x	0,55	0,35	-15°C - +60°C	average
85 Sh.A green	45	25	70	1,78	6 – 10%	8 x	0,50	0,30	-15°C - +60°C	average
88 Sh.A green, rough	50	30	75	2,38	6 – 8%	8,5 x	0,40	0,25	-15°C - +60°C	average
90 Sh.A white EU/FDA	50	40	85	2,87	6 – 8%	10 x	0,45	0,25	-15°C - +70°C	low
40 Sh.D beige	30	200	101	1,72	6 – 8%	10 x	0,40	0,25	-10°C - + 60°C	low

The listed colours may vary depending on customer requirements or use.

Our production provides plenty of other TPU-types for specific use and specific profiles.

The material properties of all our raw materials can be optimized by adding additives for the respective use.

¹ According to Pflug test specification SPPN 91.001

² Tested according to DIN EN 61340-2-3. Volume resistance [Ω] ca. 10^4 . Specifications may vary depending on the production batch.

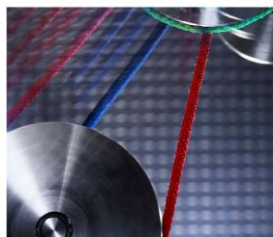
³ The listed values refer to the respective raw material and may vary depending on the profile and the use.

⁴ Dynamically tested at 2000 r/min.

⁵ For dry foods only.

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide.

Company profile



Testing Service



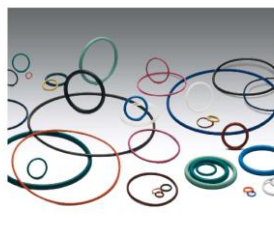
Welded timing belts in short lengths



Round belts for heat-setting machines



Endless injected round belts



Endless turned round belts



Endless plaited round belts



Hooked belts



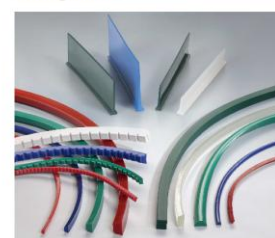
PU round- and profile belts



PU profile belts and special profiles



PU tracking guides, cleats and guides

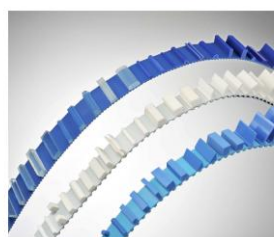


Food line

Types for the food industry compliant to EU/FDA



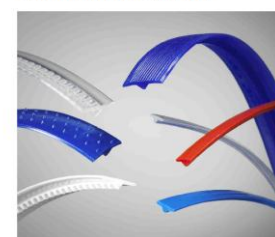
PU cleats and block profiles



PU Poly-V belts



PU-V-guide belts compliant to EU/FDA



PU coatings

