forbo MOVEMENT SYSTEMS

siegling proposition
timing belts

Coating Data Sheet



Designation	
Coating type description OLD	U20
Coating type description NEW	PU 85

Design	
Coating Material	Polyurethane (thermoplastic)
Colour	Transparent
Surface pattern	Smooth (sanded)

Technical data	
Hardness [Shore(A)]	85
Density [kg/m³]	
Coating thickness min. [mm]	2.0
Coating thickness max. [mm]	4.0
d factor *	30
Minimum pulley diameter D_{min} (approx.) [mm]	[d factor] x [selected coating thickness]
Minimum operating temperature [°C]	-20
Maximum operating temperature [°C]	80

Coefficient of static friction	
against PE foil	0.64
against wood	0.66
against sheet glass	
against cardboard	0.49
against aluminium	1.01
against steel sheet	1.20

The physical data in this data sheet is approximate, can alter depending on production environments and was established at standard ambient conditions (23°C/73°F, 50% relative humidity) in accordance with DIN 50014/ISO 554. Fluctuations in climate can cause variations. Temperature range of polyurethane (PU) timing belt base material -5/+80 °C (permanent). See our brochure “Chemical resistance” which shows the resistances of Siegling Proposition (PU) timing belt base material.

Coating Data Sheet

Properties

Electrostatic properties	non-conductive
Wear resistance	high
Compressibility	No
Product release properties	good release
Cleanability	good

Chemical restistance

General chemical resistance to	Generic fats and oils

Special Fabrication

Sanding	Yes
Milling	Yes
Punching	Yes

Applications

Glass conveying, Metal parts conveying, Conveying of abrasive goods

General remarks

High chemical resistance. Excellent cut and wear resistance. Good release properties.

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