forbo MOVEMENT SYSTEMS

siegling proposition
timing belts

Coating Data Sheet



Designation

Coating type description OLD	SO
Coating type description NEW	Sponge rubber

Design

Coating Material	Cellular rubber
Colour	Orange
Surface pattern	Foam, open cell

Technical data

Hardness [Shore(A)]	
Density [kg/m³]	250
Coating thickness min. [mm]	10.0
Coating thickness max. [mm]	20.0
d factor *	10
Minimum pulley diameter D_{min} (approx.) [mm]	[d factor] x [selected coating thickness]
Minimum operating temperature [°C]	-40
Maximum operating temperature [°C]	70

Coefficient of static friction

against PE foil	0.98
against wood	1.30
against sheet glass	1.26
against cardboard	1.07
against aluminium	1.30
against steel sheet	1.11

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	low
Compressibility	Yes
Product release properties	low
Cleanability	effortful

Chemical restistance

General chemical resistance to	Insufficient fat and oil resistance

Special Fabrication

Sanding	Yes
Milling	Yes
Punching	Yes

Applications

Conveying of sensitive goods

General remarks

Excellent cushioning and conforming to products. Excellent for gentle conveying of sensitive goods. Cell structure open.

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