forbo MOVEMENT SYSTEMS

siegling proposition
timing belts

Coating Data Sheet

Designation	
Coating type description OLD	Silicone
Coating type description NEW	Silicone

Design	
Coating Material	Silicone
Colour	Transparent
Surface pattern	Glossy

Technical data	
Hardness [Shore(A)]	35
Density [kg/m³]	
Coating thickness min. [mm]	1.0
Coating thickness max. [mm]	10.0
d factor *	50
Minimum pulley diameter D_{min} (approx.) [mm]	[d factor] x [selected coating thickness]
Minimum operating temperature [°C]	-60
Maximum operating temperature [°C]	220

Coefficient of static friction	
against PE foil	1.09
against wood	0.63
against sheet glass	0.84
against cardboard	0.62
against aluminium	0.88
against steel sheet	0.98

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	No
Product release properties	high release
Cleanability	excellent

Chemical restistance

General chemical resistance to	Generic fats and oils

Special Fabrication

Sanding	No
Milling	No
Punching	Yes

Applications

Food packaging, Conveying of hot and sticky goods

General remarks

Excellent release properties and cleanability. High friction. Temperature range limited by PU timing belt material.