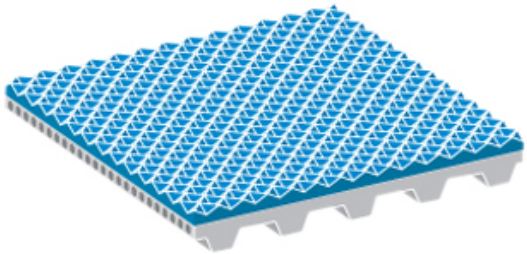
forbo MOVEMENT SYSTEMS

siegling proposition
timing belts

Coating Data Sheet





Designation	
Coating type description OLD	UU 20U NA FSTR/NP Blue
Coating type description NEW	PU 85/NP

Design	
Coating Material	Polyurethane (thermoplastic)
Colour	Blue
Surface pattern	Negative pyramide profile

Technical data	
Hardness [Shore(A)]	85
Density [kg/m³]	
Coating thickness min. [mm]	1.4
Coating thickness max. [mm]	1.4
d factor *	10
Minimum pulley diameter D_{min} (approx.) [mm]	[d factor] x [selected coating thickness]
Minimum operating temperature [°C]	-20
Maximum operating temperature [°C]	60

Coefficient of static friction	
against PE foil	0.39
against wood	0.51
against sheet glass	0.40
against cardboard	0.60
against aluminium	0.78
against steel sheet	0.65

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.

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

Food properties	
FDA 21CFR	Qualified for the transport of unpacked Food in compliance with FDA guideline 21CFR
(EU) 10/2011 und EC 1935/2004	Suitable for the transport of unpacked Food in compliance with food safety regulation (EU) 10/2011 and regulation (EC) 1935/2004

Chemical restistance	
General chemical resistance to	Generic fats and oils

Special Fabrication	
Sanding	No
Milling	No
Punching	Yes

Applications

Food packaging, Pharmaceutical industry

General remarks

High chemical resistance. Excellent cut and wear resistance. Good release properties to conveyed goods, e.g. foodstuff.

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