

Coating Data Sheet



Designation

Coating type description OLD	Teflon
Coating type description NEW	PTFE

Design

Coating Material	Polytetrafluoroethylene (PTFE)
Colour	Grey
Surface pattern	Glossy

Technical data

Hardness [Shore(A)]	
Density [kg/m ³]	
Coating thickness min. [mm]	0.3
Coating thickness max. [mm]	0.3
d factor *	300
Minimum pulley diameter D _{min} (approx.) [mm]	[d factor] x [selected belt thickness]
Minimum operating temperature [°C]	-200
Maximum operating temperature [°C]	260

Coefficient of static friction

against PE foil	0.11
against wood	0.12
against sheet glass	0.11
against cardboard	0.16
against aluminium	0.11
against steel sheet	0.07

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Properties

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

Chemical resistance

General chemical resistance to	Generic fats and oils
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Special Fabrication

Sanding	No
Milling	No
Punching	Yes

Applications

Food packaging, Pharmaceutical industry, Conveying of hot and sticky goods

General remarks

Excellent release properties and cleanability. Low friction, accumulation possible. Temperature range limited by PU timing belt material.