Polietileno PE-1000 Detectable

General properties	Test method		
Density	DIN EN ISO 1183-1	g/cm3	1,02
Water absorption	DIN EN ISO 62	%	<0.01
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB
Mechanical properties			
Yield stress	DIN EN ISO 527	N/mm2	19
Elongation at yield stress	DIN EN ISO 527	%	15
Elongation at break	DIN EN ISO 527	%	>350
Tensile modulus of elasticity	DIN EN ISO 527	MPa	680
Notched impact strength (charpy)	DIN EN ISO 179	kJ/m^2	no break
Coefficient of sliding friction	DIN EN ISO 868	scale D	0,1-0,15
Shore hardness	DIN EN ISO 868	scale D	62
Wear resistance	Sand-slurry		90
Thermal properties			
Melting temperature	ISO 11357-3	ºC	133-138
Thermal conductivity	DIN 52612-1	W/(m*K)	0,41
Coefficient of linear thermal expansion	DIN 53752	$10^{-6}K^{-1}$	2×10^{-4}
Service temperature, long term	Average	ºC	-100…80
Service temperature, short term (max.)	Average	ºC	-100…100
Electrical properties			
Volume resistivity	IEC 60093	Ω *cm	$>10^{12}$
Surface resistivity	IEC 60093	Ω	$>10^{12}$

Product characteristics

- Metal detectable
- High abrasion resistance
- Good sliding behaviour

Typical field of application

- Food processing industry
- Packaging industry

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

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