


 Organizzazione con sistema
 di gestione della qualità
 certificato ISO 9001

 Organizzazione con sistema
 di gestione della sicurezza
 certificato ISO 45001

TECHNICAL DATA SHEET – PE 1000 RIG. AST

Product characteristics

- Antistatic
- Good wear resistance
- Good sliding properties

Product applications

- Mechanical engineering
- Materials handling industry

	Test method	Unit	Value
General properties			
Density	DIN EN ISO 1183-1	g/cm ³	>0,94
Water adsorption	DIN EN ISO 62	%	<0,01
Flammability (th. 3-6 mm)	UL 94		HB
Molecular weight	-	10 ⁶ g/mol	≥4
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	>20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	>700
Notched impact strength	DIN EN ISO 179	kJ/m ²	>50
Shore hardness	DIN EN ISO 868	Scale D	>60
Thermal properties			
Melting temperature	ISO 11357-3	°C	130...135
Thermal conductivity	DIN 52612-1	W / (m*k)	0,40
Thermal capacity	DIN 52612	KJ / (kg*k)	1,90
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ k	150...230
Service temperature, short term (max)	Average	°C	130
Service temperature, long term	Average	°C	-100...80
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	79
Electrical properties			
Volume resistivity	DIN EN 62631-3-1	Ω * cm	< 10 ⁹
Surface resistivity	DIN EN 62631-3-2	Ω	< 10 ⁹
Comparative tracking index	IEC 60112		600
Dielectric strength	IEC 60243	KV/mm	>40
Dielectric constant	IEC60250		2,3

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