


 Organizzazione con sistema
 di gestione della qualità
 certificato ISO 9001

 Organizzazione con sistema
 di gestione della sicurezza
 certificato ISO 45001

TECHNICAL DATA SHEET – PET + PTFE

Product characteristics

- Excellent dimensional stability
- Excellent stiffness
- Excellent sliding and wear behaviour

Product applications

- Mechanical engineering
- Electronics
- conveyor technology

	Test method	Unit	Value
General proprieties			
Density	DIN EN ISO 1183-1	g/cm ³	1,41
Water absorption	DIN EN ISO 62	%	0,2
Flammability	UL 94		HB
Mechanical proprieties			
Yield stress	DIN EN ISO 527	MPa	77
Elongation at break	DIN EN ISO 527	%	4
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3100
Notched impact strength	DIN EN ISO 179	kJ/m ²	2
Shore hardness	DIN EN ISO 868	Scale D	80
Impact strength	DIN EN ISO 179	kJ/m ²	20
Thermal properties			
Melting temperature	ISO 11357-3	°C	250
Thermal conductivity	DIN 52612-1	W / (m * K)	0,28
Heat deflection temperature	DIN EN ISO 75, Verf. A, HDT	°C	75
Service temperature, short term (max)	Average	°C	180
Service temperature, long term	Average	°C	-20 ... 115
Electrical properties			
Dielectric constant	IEC 60250		3,4
Dielectric dissipation factor (50 Hz)	IEC 60250		0,001
Volume resistivity	DIN EN 62631-3-1	Ω * cm	10 ¹⁸
Surface resistivity	DIN EN 62631-3-2	Ω	10 ¹⁶
Comparative tracking index	IEC 60112		600
Dielectric strength	IEC 60243	kV / mm	20

PLANOPLAST SRL

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