


 Organizzazione con sistema
 di gestione della qualità
 certificato **ISO 9001**

 Organizzazione con sistema
 di gestione della sicurezza
 certificato **ISO 45001**

TECHNICAL DATA SHEET – PET

Product characteristics

- Excellent dimensional stability
- Very low moisture absorption
- Excellent creep behaviour

Product applications

- mechanical engineering
- ship building
- electrical industry

	Test method	Unit	Value
General proprieties			
Density	DIN EN ISO 1183-1	g/cm ³	1,38
Water adsorption	DIN EN ISO 62	%	0,3
Flammability (th. 3-6 mm)	UL 94		HB / HB
Mechanical proprieties			
Yield stress	DIN EN ISO 527	MPa	85
Elongation at break	DIN EN ISO 527	%	15
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3000
Notched impact strength	DIN EN ISO 179	kJ/m ²	2
Shore hardness	DIN EN ISO 868	Scale D	84
Thermal proprieties			
Melting temperature	ISO 11357-3	°C	255
Thermal conductivity	DIN 52612-1	W / (m*k)	0,28
Thermal capacity	DIN 52612	KJ / (kg*k)	1,10
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	60
Service temperature, short term (max)	Average	°C	180
Service temperature, long term	Average	°C	-20... 115
Heat deflection temperature	DIN EN ISO 75, Verf. A, HDT	°C	80
Electrical proprieties			
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

Via Veneto, 87
 35040 Casale di Scodosia (PD)
 P.I. 04490830280
 REA Padova PD 393921
 CAP SOC. i.v. € 50.000,00

+39 0429 69 0801
info.plano@advi-group.com
www.advi-group.com

