


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

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

TECHNICAL DATA SHEET – PA6 G

Product characteristics

- Good toughness
- Very good sliding properties
- Very high abrasion resistance

Product applications

- Mechanical engineering
- materials handling industry
- construction industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,15
Water absorption	DIN EN ISO 62	%	2,5
Flammability (thickness 3mm/ 6mm)	UL 94		HB/HB
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	75
Elongation at break	DIN EN ISO 527	%	45
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3400
Notched impact strength	DIN EN ISO 179	KJ/ m ²	3
Shore hardness	DIN EN ISO 868	Scale D	83
Thermal properties			
Melting temperature	ISO 11357-3	°C	216
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	80
Thermal conductivity	DIN 52612-1	W / (m * K)	0,25
Thermal capacity	DIN 52612	KJ / (kg * K)	1,70
Service temperature, long term	Average	°C	-40...110
Service temperature, short term (max.)	Average	°C	170
Heat deflection temperature	DIN EN ISO 75, Verf. A, HDT	°C	95

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





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



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

Electrical properties

Volume resistivity	DIN EN 62631-3-1	$\Omega \cdot \text{cm}$	10^{15}
Surface resistivity	DIN EN 62631-3-2	Ω	10^{13}
Dielectric constant	IEC 60250		3,7
Dielectric dissipation factor (50 Hz)	IEC 60250		0,02
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

