


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

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

TECHNICAL DATA SHEET – PA6G MOS

Product characteristics

- High rigidity
- High toughness even at high temperatures
- Good UV resistance

Product applications

- Mechanical engineering
- Oil and Gas industry
- Steel industry

	Test method	Unit	Value
General proprieties			
Density	DIN EN ISO 1183-1	g/cm ³	1,15
Water absorption	DIN EN ISO 62	%	2,5
Flammability (th. 3-6 mm)	UL 94		HB / HB
Mechanical proprieties			
Yield stress	DIN EN ISO 527	MPa	82
Elongation at break	DIN EN ISO 527	%	35
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3500
Notched impact strength	DIN EN ISO 179	kJ/m ²	2,5
Shore hardness	DIN EN ISO 868	Scale D	83
Thermal proprieties			
Melting temperature	ISO 11357-3	°C	216
Thermal conductivity	DIN 52612-1	W / (m * K)	0,25
Thermal capacity	DIN 52612	kJ / (kg * K)	1,70
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	80
Service temperature, short term (max)	Average	°C	170
Service temperature, long term	Average	°C	-40 ... 110
Heat deflection temperature	DIN EN ISO 75, Verf. A, HDT	°C	95

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