


 Organizzazione con sistema
 di gestione della qualità
 certificato ISO 9001

 Organizzazione con sistema
 di gestione della sicurezza
 certificato ISO 45001

TECHNICAL DATA SHEET – PA6XT+ MOS2

Product characteristics

- High mechanical strength
- High rigidity
- High UV resistance

Typical fields of application

- Mechanical engineering
- Vehicle construction
- Conveyor industry

	Test method	Unit	Value
General properties			
Density	DIN EN ISO 1183-1	g/cm ³	1,14
Water adsorption	DIN EN ISO 62	%	3,0
Flammability (th. 3-6 mm)	UL 94		HB/HB
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	80
Elongation at break	DIN EN ISO 527	%	50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3200
Notched impact strength	DIN EN ISO 179	kJ/m ²	3
Shore hardness	DIN EN ISO 868	Scale D	82
Thermal properties			
Melting temperature	ISO 11357-3	°C	220
Thermal conductivity	DIN 52612-1	W / (m*k)	0,23
Thermal capacity	DIN 52612	KJ / (kg*k)	1,70
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ k ⁻¹	90
Service temperature, short term (max)	Average	°C	160
Service temperature, long term	Average	°C	-40....85
Heat deflection temperature	DIN EN ISO 75, method A	°C	75

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