

Technical Data Sheet



ALCOM MS PA66+6I/X 2050 16021

Base Polymer	Partially aromatic polyamide
Filler/Additive System	50 % glass fibres
Special Features	high stiffness,heat stabilised,UV stabilised,high surface quality
Market Segment	Automotive,Machinery
Application Area	injection moulded parts
Typical Applications	interior decoration / finishing,functional components,housings

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,10 %
Processing Injection Moulding	melt temperature 260-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	15500 / 12500	MPa	ISO 178
Flexural Strength	365 / 285	MPa	ISO 178
Tensile Modulus	17000 / 13700	MPa	ISO 527
Tensile Strength at Break	245 / 185	MPa	ISO 527
Tensile Elongation at Break	2.5 / 3.3	%	ISO 527
Impact Strength (Charpy, 23°C)	95 / 93	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	15 / 17	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	245 / *	°C	ISO 75-1/-2
DSC (Melt Point)	257 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.2 - 0.6	%	ISO 294-4
Physical Properties			
Density	1600 / -	kg/m ³	ISO 1183

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Diagrams

Stress-Strain

