

Technical Data Sheet



ALCOM MS PA66+6I/X 3050 17120

Base Polymer	Partially aromatic polyamide
Filler/Additive System	50 % glass beads
Special Features	heat stabilised, high surface quality, low anisotropic shrinkage
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 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5800 / 4400	MPa	ISO 178
Flexural Strength	150 / 100	MPa	ISO 178
Tensile Modulus	5800 / 4400	MPa	ISO 527
Tensile Strength at Break	80 / 57	MPa	ISO 527
Tensile Elongation at Break	2.3 / 6.1	%	ISO 527
Impact Strength (Charpy, 23°C)	17 / 20	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2 / 2	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	91 / *	°C	ISO 75-1/-2
DSC (Melt Point)	260 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.8 - 1	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1550 / -	kg/m ³	ISO 1183