

Technical Data Sheet



ALCOM MS PA66+6I/X 2060 UV 17066

Base Polymer	Partially aromatic polyamide
Filler/Additive System	60 % glass fibres
Special Features	heat stabilised,easy release (demoulding),highly UV stabilised,high stiffness,improved surface appearance
Market Segment	Automotive,Machinery
Application Area	injection moulded parts,interior decoration / finishing

Pre-Drying Conditions	in a dry air (dessiccant) dryer <80 °C for 2-12 h max. moisture content <0,10 %
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Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-120 °C
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Storage	dry, protected from light
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Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	19600 / 17400	MPa	ISO 178
Flexural Strength	365 / 300	MPa	ISO 178
Tensile Modulus	20300 / 19000	MPa	ISO 527
Tensile Strength at Break	235 / 195	MPa	ISO 527
Tensile Elongation at Break	2.1 / 2.4	%	ISO 527
Impact Strength (Charpy, 23°C)	80 / 75	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	75 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13 / 12	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	11 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	250 / *	°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 - 0.4	%	ISO 294-4
Physical Properties			
Density	1730 / -	kg/m ³	ISO 1183