

Technical Data Sheet



ALCOM MS PA66+6I/X 2030 UV 18054

Base Polymer	Partially aromatic polyamide
Filler/Additive System	30 % glass fibres
Special Features	various,heat stabilised,easy release (demoulding),injection moulding grade,highly UV stabilised,improved surface appearance,high surface gloss
Market Segment	injection moulded parts,Automotive
Application Area	various,exterior parts,interior decoration / finishing

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8600 / 7700	MPa	ISO 178
Flexural Strength	245 / 210	MPa	ISO 178
Tensile Modulus	9300 / 7500	MPa	ISO 527
Tensile Strength at Break	170 / 125	MPa	ISO 527
Tensile Elongation at Break	2.5 / 4.6	%	ISO 527
Impact Strength (Charpy, 23°C)	45 / 45	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	43 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7.5 / 8	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	7 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	235 / *	°C	ISO 75-1/-2
DSC (Melt Point)	257 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1380 / -	kg/m ³	ISO 1183