

Technical Data Sheet



ALCOM PA6 900/11 GF10 MR20 SV12-778MCF

Base Polymer	Polyamide 6
Filler/Additive System	10 % glass fibres, 20 % mineral
Colour	silver, metallic effect
Special Features	low tendency to flow lines, low warpage, high heat stabilised
Market Segment	Automotive, various
Typical Applications	housings, engine cover

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	6000	MPa	ISO 178
Flexural Strength	150	MPa	ISO 178
Tensile Modulus	6100	MPa	ISO 527
Tensile Elongation at Break	3	%	ISO 527
Impact Strength (Charpy, 23 °C)	45	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23 °C)	4	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	220	°C	ISO 306
HDT / A (1,8 MPa)	170	°C	ISO 75-1/-2
DSC (Melt Point)	219	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	20	cm ³ /10min	ISO 1133
MVR temperature	235	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1440	kg/m ³	ISO 1183