

Technical Data Sheet



ALCOM PA6 900/1 GF8 GB7

Base Polymer	Polyamide 6
Filler/Additive System	8 % glass fibres, 7 % glass beads
Special Features	heat stabilised, low warpage
Market Segment	Automotive, Machinery
Application Area	various

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	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4200 / -	MPa	ISO 178
Flexural Strength	150 / -	MPa	ISO 178
Tensile Modulus	4500 / -	MPa	ISO 527
Tensile Strength at Break	95 / -	MPa	ISO 527
Tensile Elongation at Break	3.5 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	35 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	27 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	172 / *	°C	ISO 75-1/-2
DSC (Melt Point)	221 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.4 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1230 / -	kg/m ³	ISO 1183