

ALCOM PA6 900/1 GF10 GB15

(Last update: 30.08.2019)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	10 % glass fibres, 15 % glass beads
Special Features	heat stabilised, low warpage
Market Segment	Automotive, Machinery
Application Area	injection moulded parts

Pre-Drying Conditions	in a dry air (dessiccant) dryer <80 °C 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	4600 / -	MPa	ISO 178
Flexural Strength	155 / -	MPa	ISO 178
Tensile Modulus	5300 / -	MPa	ISO 527
Tensile Strength at Break	100 / -	MPa	ISO 527
Tensile Elongation at Break	3.9 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	40 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	40 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	177 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.5 - 0.9	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.3	%	ISO 294-4
Physical Properties			
Density	1300 / -	kg/m ³	ISO 1183

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

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