

ALCOM PA6 900/1 GF30 TF15 SI2

(Last update: 26.01.2023)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres, 15 % PTFE, 2 % silicone
Special Features	improved sliding / wear, heat stabilised
Market Segment	Automotive, Machinery
Typical Applications	functional components

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	8100 / -	MPa	ISO 178
Flexural Strength	200 / -	MPa	ISO 178
Tensile Modulus	9100 / -	MPa	ISO 527
Tensile Strength at Break	145 / -	MPa	ISO 527
Tensile Elongation at Break	3.1 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	60 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	50 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	205 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.3 - 0.5	%	ISO 294-4
Physical Properties			
Density	1480 / -	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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