

ALCOM PA6 900/1 GF20 SV1180-10MCF

(Last update: 22.11.2023)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	20 % glass fibres
Special Features	metallic effect, low tendency to flow lines
Market Segment	Automotive, Machinery, electrical and electronic
Typical Applications	housings

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

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	6000 / -	MPa	ISO 178
Flexural Strength	185 / -	MPa	ISO 178
Tensile Modulus	7200 / -	MPa	ISO 527
Tensile Strength at Break	115 / -	MPa	ISO 527
Tensile Elongation at Break	3 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	40 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6.5 / -	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)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.8	%	ISO 294-4
Physical Properties			
Density	1320 / -	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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