

ALTECH PA66 A 2015/310 GF15 IM

(Last update: 21.02.2023)

MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	15 % glass fibres
Colour	black,blue,green,natural color,red
Special Features	impact modified,heat stabilised,easy release (demoulding)
Market Segment	Automotive,electrical and electronic
Application Area	various,injection moulded parts,interior decoration / finishing

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4000 / 2100	MPa	ISO 178
Flexural Strength	150 / 55	MPa	ISO 178
Tensile Modulus	4500 / 2400	MPa	ISO 527
Tensile Strength at Break	90 / 55	MPa	ISO 527
Tensile Elongation at Break	4 / 12	%	ISO 527
Impact Strength (Charpy, 23°C)	65 / 80	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	16 / 25	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	235 / *	°C	ISO 75-1/-2
DSC (Melt Point)	265 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.5 - 0.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.2	%	ISO 294-4
Physical Properties			
Density	1190 / -	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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