

Technical Data Sheet



ALTECH PA66 A 2030/516 GF30 IM

MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres
Colour	black,natural color
Special Features	heat stabilised,impact modified,high surface gloss
Market Segment	Automotive
Application Area	various,injection moulded parts

Pre-Drying Conditions	80 °C in a dry air (desiccant) 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	7650 / -	MPa	ISO 178
Flexural Strength	215 / -	MPa	ISO 178
Tensile Modulus	8250 / -	MPa	ISO 527
Tensile Strength at Break	140 / -	MPa	ISO 527
Tensile Elongation at Break	3.2 / -	%	ISO 527
Impact Strength (Charpy, 23 °C)	77 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23 °C)	16 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	248 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.2	%	ISO 294-4
Physical Properties			
Density	1320 / -	kg/m ³	ISO 1183