

Technical Data Sheet



ALTECH PA66 A 2030/589 GF30

MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres
Colour	black
Special Features	heat stabilised, hot oil resistant, easy release (demoulding), good flow
Market Segment	Automotive
Typical Applications	various, injection moulded parts

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	8600 / -	MPa	ISO 178
Flexural Strength	240 / -	MPa	ISO 178
Tensile Modulus	9300 / -	MPa	ISO 527
Tensile Strength at Break	165 / -	MPa	ISO 527
Tensile Elongation at Break	2.6 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	50 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	50 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	255 / *	°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)	0.8 - 1	%	ISO 294-4
Physical Properties			
Density	1370 / -	kg/m ³	ISO 1183