

Technical Data Sheet



ALTECH PA66 A 3240/100 GK25 GF15

MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	25 % glass beads, 15 % glass fibres
Colour	black
Special Features	heat stabilised, high stiffness, improved surface appearance, easy release (demoulding), low warpage
Market Segment	Automotive, Machinery
Application Area	interior decoration / finishing, exterior parts, injection moulded parts
Typical Applications	housings, functional components

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	7300 / -	MPa	ISO 178
Flexural Strength	210 / -	MPa	ISO 178
Tensile Modulus	8100 / -	MPa	ISO 527
Tensile Strength	135 / -	MPa	ISO 527
Tensile Elongation at Break	3 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	33 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	243 / *	°C	ISO 75-1/-2
DSC (Melt Point)	262 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1450 / -	kg/m ³	ISO 1183