

Technical Data Sheet



ALTECH PA66 A 4240/500 GF15 MR25

Base Polymer	Polyamide 66
Filler/Additive System	40 % glass fibre/mineral
Colour	black
Special Features	low warpage,heat stabilised,improved surface appearance
Market Segment	Automotive,Machinery,electrical and electronic
Application Area	injection moulded parts,electrical components
Typical Applications	housings,functional components,batteries

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	6500 / -	MPa	ISO 178
Flexural Strength	160 / -	MPa	ISO 178
Tensile Modulus	7800 / -	MPa	ISO 527
Tensile Strength at Break	105 / -	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)	45 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	220 / *	°C	ISO 75-1/-2
DSC (Melt Point)	260 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.4 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1440 / -	kg/m ³	ISO 1183