

Technical Data Sheet



ALTECH PA6 A 2065/500 GF65

Base Polymer	Polyamide 6
Filler/Additive System	65 % glass fibres
Special Features	heat stabilised,easy release (demoulding),injection moulding grade,high stiffness
Market Segment	various,Automotive,Machinery,electrical and electronic
Application Area	electrical and electronic (E&E),electrical components

Pre-Drying Conditions	in a dry air (dessiccant) dryer <80 °C for 2-12 h max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	21000 / -	MPa	ISO 178
Flexural Strength	320 / -	MPa	ISO 178
Tensile Modulus	22000 / -	MPa	ISO 527
Tensile Strength at Break	195 / -	MPa	ISO 527
Tensile Elongation at Break	2 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	70 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	75 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	11 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	217 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.1 - 0.3	%	ISO 294-4
Physical Properties			
Density	1780 / -	kg/m ³	ISO 1183