

Technical Data Sheet



ALTECH PA66 A 4030/500 MR30

Base Polymer	Polyamide 66
Filler/Additive System	30 % mineral
Colour	black,red
Special Features	high heat stabilised,high stiffness,low warpage,good flow
Market Segment	Machinery,Automotive
Typical Applications	injection moulded parts,functional components,housings

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content 0,15 % max. moisture content
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Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-120 °C
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Storage	dry, protected from light
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Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5700 / -	MPa	ISO 178
Flexural Strength	135 / -	MPa	ISO 178
Tensile Modulus	5650 / -	MPa	ISO 527
Tensile Strength at Break	80 / -	MPa	ISO 527
Tensile Elongation at Break	3.4 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	60 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	60 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	113 / *	°C	ISO 75-1/-2
DSC (Melt Point)	256 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.9 - 1.1	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4
Physical Properties			
Density	1360 / -	kg/m ³	ISO 1183