

Technical Data Sheet



ALTECH PA6 A 4030/516 MR30 IM

Base Polymer	Polyamide 6
Filler/Additive System	30 % mineral
Special Features	various, heat stabilised, injection moulding grade
Market Segment	various
Application Area	various
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
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	4800 / -	MPa	ISO 178
Flexural Strength	115 / -	MPa	ISO 178
Tensile Modulus	5200 / -	MPa	ISO 527
Tensile Strength at Break	70 / -	MPa	ISO 527
Tensile Elongation at Break	4.3 / -	%	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)	3 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40 °C)	3 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
DSC (Melt Point)	220 / *	°C	ISO 11357
Physical Properties			
Density	1370 / -	kg/m ³	ISO 1183