

Technical Data Sheet



ALTECH PA6 A 1000/716 IM

Base Polymer	Polyamide 6
Colour	natural color,grey
Special Features	heat stabilised,impact modified,injection moulding grade,processing stabilised,nucleated
Market Segment	Automotive,Machinery
Application Area	clothing / fasteners,injection moulded parts
Typical Applications	functional components,housings

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 250-270 °C mould temperature 60-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1200 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	35 / -	MPa	ISO 178
Tensile Modulus	1400 / -	MPa	ISO 527
Tensile Stress at Yield	36 / -	MPa	ISO 527
Tensile Elongation at Yield	5.1 / -	%	ISO 527
Tensile Elongation at Break	150 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	35 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	46 / *	°C	ISO 75-1/-2
DSC (Melt Point)	221 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.4 - 1.8	%	ISO 294-4
Shrinkage (lateral, 24h)	1.4 - 1.8	%	ISO 294-4
Physical Properties			
Density	1040 / -	kg/m ³	ISO 1183