

Technical Data Sheet



ALTECH PA66 A 1000/501 IM

Base Polymer	Polyamide 66
Colour	black,natural color
Special Features	high impact modified,heat stabilised
Market Segment	Automotive
Typical Applications	housings,injection moulded parts,air fan

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 270-290 °C mould temperature 60-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1900 / 900	MPa	ISO 178
Flexural Stress (3.5% Strain)	65 / 24	MPa	ISO 178
Tensile Modulus	2100 / 900	MPa	ISO 527
Tensile Strength	55 / -	MPa	ISO 527
Tensile Elongation at Break	40 / 100	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / 1000	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	75 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	75 / 115	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	15 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	60 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.9 - 2.3	%	ISO 294-4
Shrinkage (lateral, 24h)	1.6 - 2	%	ISO 294-4
Physical Properties			
Density	1080 / -	kg/m ³	ISO 1183