

Technical Data Sheet



ALTECH PA66 A 1000/107

Base Polymer	Polyamide 66
Colour	grey
Special Features	fast solidifying,easy flow
Market Segment	Automotive,Machinery,building and construction,sport and leisure
Application Area	injection moulded parts

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	3100 / 1500	MPa	ISO 178
Flexural Stress (3.5% Strain)	95 / 40	MPa	ISO 178
Tensile Modulus	3300 / 1600	MPa	ISO 527
Tensile Stress at Yield	83 / 60	MPa	ISO 527
Tensile Elongation at Yield	4.2 / 20	%	ISO 527
Tensile Elongation at Break	15 / 50	%	ISO 527
Impact Strength (Charpy, 23°C)	150 / 1000	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	90 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / 10	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	242 / *	°C	ISO 306
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.3 - 1.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1.5 - 1.9	%	ISO 294-4
Physical Properties			
Density	1150 / -	kg/m ³	ISO 1183