

Technical Data Sheet



ALTECH PA66 A 1000/109

Base Polymer	Polyamide 66
Colour	black,blue,grey,natural color,red,white
Special Features	heat stabilised,easy flow,easy release (demoulding)
Market Segment	Automotive,electrical and electronic
Application Area	electrical components,interior decoration / finishing,exterior parts,different automotive powertrain 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 %
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Processing Injection Moulding	melt temperature 270-290 °C mould temperature 60-100 °C
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Storage	dry, protected from light
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Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	3000 / 1300	MPa	ISO 178
Flexural Stress (3.5% Strain)	95 / 40	MPa	ISO 178
Tensile Modulus	3300 / 1500	MPa	ISO 527
Tensile Stress at Yield	- / 58	MPa	ISO 527
Tensile Strength	90 / -	MPa	ISO 527
Tensile Elongation at Yield	- / 20	%	ISO 527
Tensile Elongation at Break	20 / 90	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / 1000	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / 15	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3.5 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	70 / *	°C	ISO 75-1/-2
DSC (Melt Point)	264 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.4 - 1.8	%	ISO 294-4
Shrinkage (lateral, 24h)	1.9 - 2.3	%	ISO 294-4
Physical Properties			
Density	1130 / -	kg/m³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2 / *	class	UL 94
Yellow Card available	yes / *	-	-