

Technical Data Sheet



ALTECH PA66 A 2035/109 GF35

Base Polymer	Polyamide 66
Filler/Additive System	35 % glass fibres
Colour	black,blue,natural color,orange,white
Special Features	heat stabilised,easy release (demoulding),injection moulding grade
Market Segment	Automotive,electrical and electronic,Machinery
Application Area	interior decoration / finishing,exterior parts,injection moulded parts,electrical components
Typical Applications	housings,different automotive powertrain parts,functional components
Approvals	GS93016
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 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	9500 / -	MPa	ISO 178
Flexural Strength	265 / -	MPa	ISO 178
Tensile Modulus	10500 / -	MPa	ISO 527
Tensile Strength at Break	175 / -	MPa	ISO 527
Tensile Elongation at Break	3 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	70 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	55 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	10 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	253 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.1	%	ISO 294-4
Physical Properties			
Density	1410 / -	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-