

Technical Data Sheet



ALTECH PA66 A 3040/100 GB40

Base Polymer	Polyamide 66
Filler/Additive System	40 % glass beads
Colour	black
Special Features	easy release (demoulding), low warpage
Market Segment	Automotive, electrical and electronic
Application Area	various, 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 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5000 / -	MPa	ISO 178
Flexural Strength	140 / -	MPa	ISO 178
Tensile Modulus	5200 / -	MPa	ISO 527
Tensile Strength at Break	75 / -	MPa	ISO 527
Tensile Elongation at Break	2.9 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	20 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	120 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.7 - 0.9	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4
Physical Properties			
Density	1440 / -	kg/m ³	ISO 1183