

Technical Data Sheet



ALTECH PA66 A 2030/106 GF30

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres
Colour	black,natural color
Special Features	heat stabilised,high surface gloss
Market Segment	various,Automotive,sport and leisure
Application Area	injection moulded parts,interior decoration / finishing
Typical Applications	housings

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	9200 / 6000	MPa	ISO 178
Flexural Strength	280 / 190	MPa	ISO 178
Tensile Modulus	10000 / 6300	MPa	ISO 527
Tensile Strength at Break	180 / 118	MPa	ISO 527
Tensile Elongation at Break	4.1 / 5.6	%	ISO 527
Impact Strength (Charpy, 23°C)	65 / 85	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 / 13	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	255 / *	°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)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1360 / -	kg/m ³	ISO 1183