

Technical Data Sheet



ALTECH PA66 A 2030/500 HR GF30

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres
Colour	black
Special Features	high heat stabilised, hot oil resistant, good hydrolysis resistant, glycol resistant, easy release (demoulding), injection moulding grade
Market Segment	Automotive, Machinery, electrical and electronic
Application Area	injection moulded parts, 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 %
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	8800 / -	MPa	ISO 178
Flexural Strength	263 / -	MPa	ISO 178
Tensile Modulus	9600 / -	MPa	ISO 527
Tensile Strength at Break	170 / -	MPa	ISO 527
Tensile Elongation at Break	3.4 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	70 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	255 / *	°C	ISO 75-1/-2
DSC (Melt Point)	265 / *	°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	1380 / -	kg/m ³	ISO 1183