

Technical Data Sheet



ALTECH PA6 A 2030/587 GF30

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Colour	violet
Special Features	heat stabilised, processing stabilised
Market Segment	Automotive, Machinery
Application Area	injection moulded parts, functional components

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 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8200	MPa	ISO 178
Flexural Strength	235	MPa	ISO 178
Tensile Modulus	9200	MPa	ISO 527
Tensile Strength at Break	160	MPa	ISO 527
Tensile Elongation at Break	3.3	%	ISO 527
Impact Strength (Charpy, 23°C)	80	kJ/m²	ISO 179/1eU
Thermal Properties			
Vicat B50	215	°C	ISO 306
HDT / A (1,8 MPa)	210	°C	ISO 75-1/-2
DSC (Melt Point)	220	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1360	kg/m³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB	class	UL 94
Flammability (3.0 mm)	HB	class	UL 94
Glow Wire (GWFI, 550 °C, 4.0mm)	passed	-	DIN EN 60695