

Technical Data Sheet

**ALTECH PA6 A 2030/109 GF30 BK1132-07LS**

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Colour	black
Special Features	heat stabilised,easy release (demoulding),easy flow,fast solidifying,laser etchable (light etching)
Market Segment	Machinery,building and construction,Automotive
Application Area	injection moulded parts,filter systems
Typical Applications	housings,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	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8000 / -	MPa	ISO 178
Flexural Strength	205 / -	MPa	ISO 178
Tensile Modulus	9500 / -	MPa	ISO 527
Tensile Strength at Break	150 / -	MPa	ISO 527
Tensile Elongation at Break	2.5 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	65 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	55 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
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)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1360 / -	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-