

Technical Data Sheet



ALTECH PA6 A 3030/109 GB30

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass beads
Colour	black,grey,natural color,red,orange
Special Features	high heat stabilised,easy release (demoulding),low warpage,easy flow
Market Segment	Automotive
Typical Applications	housings,clothing / fasteners
Approvals	GS93016

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	3900 / 1300	MPa	ISO 178
Flexural Stress (3.5% Strain)	110 / 40	MPa	ISO 178
Tensile Modulus	4200 / 1400	MPa	ISO 527
Tensile Strength at Break	75 / 35	MPa	ISO 527
Tensile Elongation at Break	4.3 / 30	%	ISO 527
Impact Strength (Charpy, 23°C)	30 / 145	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	25 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3 / 13	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	71 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1 - 1.4	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.4	%	ISO 294-4
Physical Properties			
Density	1350 / -	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-