

Technical Data Sheet - Preliminary Product



ALTECH PA6 A 2030/200 GF30 GY1223-08

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Special Features	heat stabilised,easy release (demoulding)
Market Segment	various
Typical Applications	various

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	8200 / 4900	MPa	ISO 178
Flexural Strength	230 / 140	MPa	ISO 178
Tensile Modulus	8600 / 5400	MPa	ISO 527
Tensile Strength at Break	150 / 95	MPa	ISO 527
Tensile Elongation at Break	3.3 / 7	%	ISO 527
Impact Strength (Charpy, 23°C)	60 / 85	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	50 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9 / 13	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	208 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1360 / -	kg/m ³	ISO 1183