

Technical Data Sheet



ALTECH PA6 ECO 3230/100 GB20 GF10

Base Polymer	Polyamide 6
Filler/Additive System	20 % glass beads, 10 % glass fibres
Special Features	low warpage, heat stabilised, fast solidifying
Typical Applications	various
Approvals	GS93016

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content 0,15 % max. moisture content
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	5400	MPa	ISO 178
Flexural Strength	150	MPa	ISO 178
Tensile Modulus	5800	MPa	ISO 527
Tensile Strength at Break	95	MPa	ISO 527
Tensile Elongation at Break	3.2	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	190	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.5 - 0.7	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1350	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	2.89	kg CO ₂ eq./kg	ISO 14040, 14044