

Technical Data Sheet



ALTECH PA6 FC 3030/100 GB30

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass beads
Special Features	various
Typical Applications	various, food processing industry

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
Minimum Shelf Life	months <12

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4100 / -	MPa	ISO 178
Flexural Strength	125 / -	MPa	ISO 178
Tensile Modulus	4500 / -	MPa	ISO 527
Tensile Strength at Break	74 / -	MPa	ISO 527
Tensile Elongation at Break	2 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	17 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	17 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2 / -	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)	77 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.1 - 1.5	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.4	%	ISO 294-4
Physical Properties			
Density	1350 / -	kg/m ³	ISO 1183