

Technical Data Sheet



ALTECH PA66 FC 3030/520.01 GB30 UV

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass beads
Colour	grey
Special Features	heat stabilised, injection moulding grade, easy release (demoulding)
Application Area	food contact
Typical Applications	domestic appliances, clothing / fasteners, various

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 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light
Minimum Shelf Life	months <12

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4300 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	120 / -	MPa	ISO 178
Tensile Modulus	4600 / -	MPa	ISO 527
Tensile Strength at Break	80 / -	MPa	ISO 527
Tensile Elongation at Break	5 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	22 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	20 / -	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)	96 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1 - 1.2	%	ISO 294-4
Shrinkage (lateral, 24h)	1.1 - 1.3	%	ISO 294-4
Physical Properties			
Density	1360 / -	kg/m ³	ISO 1183