

Technical Data Sheet



ALTECH PA66 FC 2030/107 GF30

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres
Colour	white
Special Features	heat stabilised, injection moulding grade, easy release (demoulding)
Application Area	food contact
Typical Applications	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	9000 / -	MPa	ISO 178
Flexural Strength	230 / -	MPa	ISO 178
Tensile Modulus	10000 / -	MPa	ISO 527
Tensile Strength at Break	150 / -	MPa	ISO 527
Tensile Elongation at Break	2.4 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	40 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	40 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	255 / *	°C	ISO 306
HDT / A (1,8 MPa)	250 / *	°C	ISO 75-1/-2
DSC (Melt Point)	266 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.1	%	ISO 294-4
Physical Properties			
Density	1420 / -	kg/m ³	ISO 1183