

Technical Data Sheet



ALTECH PA66 FC 2030/508 GF30

MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	glass fibres
Colour	blue
Special Features	heat stabilised,easy release (demoulding),injection moulding grade
Market Segment	various,packaging
Application Area	various,food contact
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 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	9300 / 6400	MPa	ISO 178
Flexural Strength	250 / 180	MPa	ISO 178
Tensile Modulus	10000 / 6500	MPa	ISO 527
Tensile Strength at Break	165 / 105	MPa	ISO 527
Tensile Elongation at Break	2.5 / 5.5	%	ISO 527
Impact Strength (Charpy, 23°C)	43 / 60	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	38 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6 / 8	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4.5 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	255 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1380 / -	kg/m³	ISO 1183