Technical Data Sheet

Altech®

ALBIS

ALTECH PA6 FC 2035/100 GF35

(Last update: 11.04.2024)

M COM

Base Polymer	Polyamide 6
Filler/Additive System	35 % glass fibres
Special Features	heat stabilised,easy release (demoulding),fast solidifying
Market Segment	food processing industry
Application Area	injection moulded parts,food contact

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	9300 / 6100	MPa	ISO 178
Flexural Strength	235 / 155	MPa	ISO 178
Tensile Modulus	10200 / 6500	MPa	ISO 527
Tensile Strength at Break	145 / 95	MPa	ISO 527
Tensile Elongation at Break	2.4 / 6.7	%	ISO 527
Impact Strength (Charpy, 23°C)	55 / 85	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	45 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8 / 12	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5.5 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	210 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4
Physical Properties			
Density	1420 / -	kg/m³	ISO 1183

Additional Information

Different color matches of this material can have significant influence on the suitability according to the various food contact directives (e.g. FDA or EU). Please request a compliance confirmation per colorcode regarding the suitability for the specific food contact application.

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