Technical Data Sheet

Altech®

ALBIS

ALTECH PA66 FC 2030/107 GF30

(Last update: 20.11.2023)

M COM

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/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	40 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6 / -	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4 / -	kJ/m²	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/m³	ISO 1183

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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.

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

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