Technical Data Sheet

ALTECH PP-B A 2020/150 GF20 CP

(Last update: 27.03.2018)

M COM

Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	20 % glass fibres
Colour	natural color
Special Features	chemically coupled,processing stabilised,heat stabilised
Market Segment	Machinery,Automotive,sport and leisure
Application Area	injection moulded parts,interior decoration / finishing,sports equipment,exterior parts
Typical Applications	functional components,housings,fixing elements

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-120 °C for 2-3 h in an air circulating dryer 80-120 °C for 2-4 h dependant on moisture content max. moisture content <0,10 %
Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	3100	MPa	ISO 178
Flexural Strength	72	MPa	ISO 178
Tensile Modulus	3600	MPa	ISO 527
Tensile Strength at Break	50	MPa	ISO 527
Tensile Elongation at Break	6.5	%	ISO 527
Impact Strength (Charpy, 23°C)	55	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	20	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	100	°C	ISO 306
HDT / A (1,8 MPa)	130	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	6.5	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4

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Physical Properties			
Density	1030	kg/m³	ISO 1183
Flammability			
Glow Wire (GWFI, 650°C, 2.0mm)	passed	-	DIN EN 60695

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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