

Technical Data Sheet



ALTECH PP-H FC 3013/500.01 GB13

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	glass beads
Colour	natural color
Special Features	high stiffness, good flow, low warpage
Market Segment	building and construction
Typical Applications	injection moulded parts, Parts in contact with drinking water

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 %
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Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
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Storage	dry, protected from light
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Minimum Shelf Life	months <24
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1800	MPa	ISO 178
Flexural Stress (3.5% Strain)	35	MPa	ISO 178
Tensile Modulus	1800	MPa	ISO 527
Tensile Stress at Yield	30	MPa	ISO 527
Tensile Elongation at Yield	6.1	%	ISO 527
Tensile Elongation at Break	30	%	ISO 527
Impact Strength (Charpy, 23°C)	35	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	13	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	96	°C	ISO 306
HDT / A (1,8 MPa)	65	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	8.5	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.4 - 1.8	%	ISO 294-4
Shrinkage (lateral, 24h)	1.3 - 1.7	%	ISO 294-4
Physical Properties			
Density	990	kg/m ³	ISO 1183