

Technical Data Sheet



ALTECH PP-H B 2030/156 GF30

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	30 % glass fibres
Colour	grey,white
Special Features	chemically coupled,easy release (demoulding),processing stabilised,heat stabilised
Market Segment	Medical / Personal Care,building and construction
Application Area	fixtures / fittings,household goods
Typical Applications	housings,pump impellers,functional components

Pre-Drying Conditions	in an air circulating dryer 80-120 °C for 2-4 h in a dry air (dessiccant) dryer 80-120 °C for 2-3 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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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5400	MPa	ISO 178
Flexural Strength	110	MPa	ISO 178
Tensile Modulus	5600	MPa	ISO 527
Tensile Strength at Break	65	MPa	ISO 527
Tensile Elongation at Break	3	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	30	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	130	°C	ISO 306
HDT / A (1,8 MPa)	140	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	4.5	cm ³ /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)	0.3 - 0.5	%	ISO 294-4
Physical Properties			
Density	1120	kg/m ³	ISO 1183