

Technical Data Sheet



ALTECH PP-H A 2435/550 GF22 MR13 CP

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	35 % glass fibre/mineral
Colour	grey
Special Features	chemically coupled, processing stabilised, easy release (demoulding), heat stabilised
Market Segment	Machinery, Automotive
Application Area	valve components, injection moulded parts, interior decoration / finishing
Typical Applications	housings, functional components

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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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5600	MPa	ISO 178
Flexural Strength	105	MPa	ISO 178
Tensile Modulus	6400	MPa	ISO 527
Tensile Strength at Break	62	MPa	ISO 527
Tensile Elongation at Break	3.7	%	ISO 527
Impact Strength (Charpy, 23°C)	44	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	32	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	127	°C	ISO 306
HDT / A (1,8 MPa)	139	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	1.5	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.5 - 0.7	%	ISO 294-4
Shrinkage (lateral, 24h)	0.2 - 0.4	%	ISO 294-4
Physical Properties			
Density	1190	kg/m³	ISO 1183