

Technical Data Sheet



ALTECH PP-H A 2340/750 GF30 GK10 CP

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	30 % glass fibres,10 % glass beads
Colour	black
Special Features	chemically coupled,high heat stabilised,good flow,low warpage,easy release (demoulding),slip agent,processing stabilised
Market Segment	electrical and electronic,Automotive
Application Area	interior decoration / finishing,exterior parts,electrical components
Typical Applications	housings,functional components,different automotive powertrain parts,batteries

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	6400	MPa	ISO 178
Flexural Strength	125	MPa	ISO 178
Tensile Modulus	7000	MPa	ISO 527
Tensile Strength at Break	85	MPa	ISO 527
Tensile Elongation at Break	3	%	ISO 527
Impact Strength (Charpy, 23 °C)	45	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40 °C)	35	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23 °C)	8.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40 °C)	6.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	134	°C	ISO 306
HDT / A (1,8 MPa)	150	°C	ISO 75-1/-2
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	5	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4

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Physical Properties

Density	1210	kg/m ³	ISO 1183
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Flammability

Flammability (1.5 mm)	HB	class	UL 94
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