

Technical Data Sheet



ALTECH PP-H A 1000/546 FR

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	flame retardant
Special Features	metal deactivator (stabiliser),easy flow,flame retardant,easy release (demoulding),heat stabilised
Market Segment	electrical and electronic,building and construction
Application Area	injection moulded parts,electrical components,clothing / fasteners
Typical Applications	fixing elements,functional components,housings

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
Processing Injection Moulding	melt temperature 200-240 °C mould temperature 20-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1500	MPa	ISO 178
Flexural Stress (3.5% Strain)	37	MPa	ISO 178
Tensile Modulus	1500	MPa	ISO 527
Tensile Stress at Yield	34	MPa	ISO 527
Tensile Elongation at Yield	9	%	ISO 527
Tensile Elongation at Break	15	%	ISO 527
Impact Strength (Charpy, 23°C)	100	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	90	°C	ISO 306
HDT / A (1,8 MPa)	60	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	28	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.2 - 1.4	%	ISO 294-4
Shrinkage (lateral, 24h)	1.6 - 2	%	ISO 294-4
Physical Properties			
Density	940	kg/m ³	ISO 1183

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Flammability

Flammability (0.75 mm)

Glow Wire (GWFI, 960°C, 2.0mm)

V-2

passed

class

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UL 94

DIN EN 60695