

Technical Data Sheet



ALTECH PP-H A 2440/550 GF25 MR15 CP

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	25 % glass fibres, 15 % talcum
Colour	black
Special Features	high heat stabilised, chemically coupled, high stiffness, easy release (demoulding)
Market Segment	Automotive, electrical and electronic
Application Area	exterior parts, interior decoration / finishing, electrical components, injection moulded parts
Typical Applications	housings, functional components, fixing elements
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	7600	MPa	ISO 178
Flexural Strength	130	MPa	ISO 178
Tensile Modulus	8000	MPa	ISO 527
Tensile Strength at Break	85	MPa	ISO 527
Tensile Elongation at Break	2.7	%	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)	8	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40 °C)	6	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	144	°C	ISO 306
HDT / A (1,8 MPa)	155	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	6	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)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1220	kg/m ³	ISO 1183