

Technical Data Sheet



ALTECH PP-H A 1000/120 UV

Base Polymer	Polypropylene Homopolymer
Colour	grey
Special Features	UV stabilised,easy release (demoulding),processing stabilised,heat stabilised
Market Segment	electrical and electronic
Application Area	electrical components,injection moulded parts,consumer electronics
Typical Applications	functional components,housings
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 200-240 °C mould temperature 20-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1100	MPa	ISO 178
Flexural Stress (3.5% Strain)	26	MPa	ISO 178
Tensile Modulus	1200	MPa	ISO 527
Tensile Stress at Yield	28	MPa	ISO 527
Tensile Elongation at Yield	12.3	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	14	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	80	°C	ISO 306
HDT / A (1,8 MPa)	62	°C	ISO 75-1/-2
DSC (Melt Point)	166	°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	910	kg/m ³	ISO 1183