

Technical Data Sheet



ALTECH PP-H A 1000/100 DS

MOCOM

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	antioxidant
Colour	natural color
Special Features	detergent solution stabilised, high heat stabilised, easy release (demoulding), good hydrolysis resistant
Market Segment	various, Machinery
Application Area	various, injection moulded parts
Typical Applications	various

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	1300	MPa	ISO 178
Flexural Stress (3.5% Strain)	33	MPa	ISO 178
Tensile Modulus	1500	MPa	ISO 527
Tensile Stress at Yield	34	MPa	ISO 527
Tensile Elongation at Yield	10	%	ISO 527
Tensile Elongation at Break	80	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	25	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	89	°C	ISO 306
HDT / A (1,8 MPa)	61	°C	ISO 75-1/-2
DSC (Melt Point)	168	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	3.5	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.6 - 2	%	ISO 294-4

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Shrinkage (lateral, 24h)	1.4 - 1.8	%	ISO 294-4
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Physical Properties

Density	900	kg/m ³	ISO 1183
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