

Technical Data Sheet



ALTECH PP-H FC 1000/568

MOCOM

Base Polymer	Polypropylene Homopolymer
Colour	natural color
Special Features	antistatic
Market Segment	food processing industry, Personal care
Application Area	injection moulded parts, food contact
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 %
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Processing Injection Moulding	melt temperature 200-240 °C mould temperature 20-70 °C
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Storage	dry, protected from light
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Minimum Shelf Life	months <24
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1800	MPa	ISO 178
Flexural Stress (3.5% Strain)	43	MPa	ISO 178
Tensile Modulus	1800	MPa	ISO 527
Tensile Strength	37	MPa	ISO 527
Tensile Elongation at Break	12	%	ISO 527
Impact Strength (Charpy, 23°C)	65	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	12	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3.5	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	96	°C	ISO 306
HDT / A (1,8 MPa)	63	°C	ISO 75-1/-2
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	85	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.9 - 2.3	%	ISO 294-4
Shrinkage (lateral, 24h)	1.7 - 2.1	%	ISO 294-4
Physical Properties			
Density	910	kg/m³	ISO 1183