

Technical Data Sheet



ALTECH PP-H A 4818/100 MR18

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	chalk
Colour	natural color
Special Features	detergent solution stabilised, processing stabilised, easy release (demoulding)
Market Segment	building and construction
Application Area	domestic appliances, interior
Typical Applications	housings, functional components

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	1800	MPa	ISO 178
Flexural Stress (3.5% Strain)	38	MPa	ISO 178
Tensile Modulus	1900	MPa	ISO 527
Tensile Stress at Yield	30	MPa	ISO 527
Tensile Elongation at Yield	6.8	%	ISO 527
Tensile Elongation at Break	50	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	93	°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)	4	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.6 - 2	%	ISO 294-4
Shrinkage (lateral, 24h)	1.2 - 1.6	%	ISO 294-4
Physical Properties			
Density	1020	kg/m ³	ISO 1183