

Technical Data Sheet



ALTECH PP-H A 4940/506 MR40

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	40 % talcum
Colour	black,white
Special Features	processing stabilised,easy release (demoulding),slip agent,heat stabilised
Market Segment	Automotive,building and construction
Application Area	pump components,filter systems,fixtures / fittings
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 %
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Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5100	MPa	ISO 178
Flexural Strength	55	MPa	ISO 178
Tensile Modulus	4300	MPa	ISO 527
Tensile Strength at Break	30	MPa	ISO 527
Tensile Elongation at Break	3.2	%	ISO 527
Impact Strength (Charpy, 23°C)	22	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	12	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2.5	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	106	°C	ISO 306
HDT / A (1,8 MPa)	102	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	9	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.5 - 0.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.2	%	ISO 294-4
Physical Properties			
Density	1260	kg/m³	ISO 1183