

Technical Data Sheet



ALTECH PP-H B 4930/506 MR30

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	30 % talcum
Colour	black,white
Special Features	processing stabilised,heat stabilised,easy release (demoulding),slip agent
Market Segment	Automotive,Machinery,various
Application Area	fixtures / fittings,interior,various
Typical Applications	dashboard / instrument panels,display elements,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 200-250 °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	3300	MPa	ISO 178
Flexural Strength	50	MPa	ISO 178
Tensile Modulus	3200	MPa	ISO 527
Tensile Strength	30	MPa	ISO 527
Tensile Elongation at Break	10	%	ISO 527
Impact Strength (Charpy, 23°C)	25	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	10	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	96	°C	ISO 306
HDT / A (1,8 MPa)	80	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	18	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.9 - 1.1	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1150	kg/m ³	ISO 1183