

Technical Data Sheet



ALTECH PP-B A 4920/100 MR20

Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	20 % talcum
Colour	black,grey
Special Features	heat stabilised,easy release (demoulding),processing stabilised
Market Segment	Automotive,building and construction,electrical and electronic
Application Area	interior decoration / finishing,gardening tools,exterior parts,electrical components
Typical Applications	housings,functional components,fixing elements
Pre-Drying Conditions	in an air circulating dryer 80-120 °C for 2-4 h in a dry air (dessiccant) dryer 80-120 °C for 2-3 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	2100	MPa	ISO 178
Flexural Stress (3.5% Strain)	32	MPa	ISO 178
Tensile Modulus	1900	MPa	ISO 527
Tensile Stress at Yield	22	MPa	ISO 527
Tensile Elongation at Yield	4.6	%	ISO 527
Tensile Elongation at Break	75	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	60	°C	ISO 306
HDT / A (1,8 MPa)	65	°C	ISO 75-1/-2
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	2.5	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.6 - 1	%	ISO 294-4
Shrinkage (lateral, 24h)	1.3 - 1.7	%	ISO 294-4
Physical Properties			
Density	1040	kg/m ³	ISO 1183