

Technical Data Sheet



ALTECH PP-B B 4920/526 MR20 UV

Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	20 % talcum
Colour	black,grey
Special Features	UV stabilised,heat stabilised,easy release (demoulding),processing stabilised
Market Segment	Automotive,Machinery,sport and leisure,electrical and electronic
Application Area	interior,power tools,exterior parts,electrical components
Typical Applications	housings,handles,functional components,fixing elements
Approvals	LMS

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	1300	MPa	ISO 178
Flexural Stress (3.5% Strain)	23	MPa	ISO 178
Tensile Modulus	1300	MPa	ISO 527
Tensile Stress at Yield	17	MPa	ISO 527
Tensile Elongation at Yield	6.4	%	ISO 527
Tensile Elongation at Break	65	%	ISO 527
Impact Strength (Charpy, 23°C)	140	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	60	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	22	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat A50	134	°C	ISO 306
HDT / A (1,8 MPa)	55	°C	ISO 75-1/-2
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	22	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.7 - 0.9	%	ISO 294-4

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Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
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Physical Properties

Density	1040	kg/m ³	ISO 1183
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