

Technical Data Sheet



ALCOM MS PP 4920 GY1233-20

Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	20 % talcum
Special Features	heat stabilised, scratch resistant, UV stabilised, impact modified
Market Segment	Automotive, various
Application Area	Automotive
Typical Applications	housings, clothing / fasteners

Pre-Drying Conditions	in an air circulating dryer 60-90 °C for 2-4 h in a dry air (dessiccant) dryer 60-90 °C for 2-4 h dependant on moisture content
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Processing Injection Moulding	melt temperature 200-270 °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	2100	MPa	ISO 178
Flexural Stress (3.5% Strain)	31	MPa	ISO 178
Tensile Modulus	2100	MPa	ISO 527
Tensile Stress at Yield	22	MPa	ISO 527
Tensile Elongation at Yield	3.3	%	ISO 527
Tensile Elongation at Break	45	%	ISO 527
Impact Strength (Charpy, 23°C)	140	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	40	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	64	°C	ISO 306
HDT / A (1,8 MPa)	64	°C	ISO 75-1/-2
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	16	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1 - 1.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.3	%	ISO 294-4
Physical Properties			
Density	1040	kg/m ³	ISO 1183