



ALCOM MS PP 4920 16080

(Last update: 19.10.2018)



Base Polymer	Polypropylene Homopolymer
Filler/Additive System	20 % talcum
Special Features	scratch resistant, heat stabilised, easy release (demoulding)
Market Segment	Automotive
Typical Applications	injection moulded parts
Approvals	VW50123

Pre-Drying Conditions	in a dry air (dessiccant) dryer 60-90 °C for 2-4 h in an air circulating dryer 60-90 °C for 2-4 h dependant on moisture content
Processing Injection Moulding	melt temperature 200-270 °C mould temperature 20-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2400	MPa	ISO 178
Flexural Strength	45	MPa	ISO 178
Tensile Modulus	2400	MPa	ISO 527
Tensile Stress at Yield	29	MPa	ISO 527
Tensile Elongation at Yield	7.4	%	ISO 527
Tensile Elongation at Break	60	%	ISO 527
Impact Strength (Charpy, 23°C)	60	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	17	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	95	°C	ISO 306
HDT / A (1,8 MPa)	70	°C	ISO 75-1/-2
DSC (Melt Point)	168	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	3	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Physical Properties			
Density	1050	kg/m ³	ISO 1183



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