Polifil® PP RMT-20V

Polypropylene

The Plastics Group

Message:

Additive packages are available to enhance UV properties or to meet FDA requirements.

Features Good Color Stability Good Impact Resistance Specific Gravity Specific Gravi	General Information				
Uses Appliances Automotive Applications Outdoor Furnishings Forms Pellets Processing Method Blow Molding Injection Molding Physical Nominal Value Unit Test Method Specific Gravity 1.05 9/10 min ASTM D792 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 16 9/10 min ASTM D1238 Molding Shrinkage - Flow (1.59 mm) 1.2 % ASTM D955 Hardness Nominal Value Unit Test Method Rockwell Hardness (R-Scale) 87 ASTM D785 Machanical Nominal Value Unit Test Method Rockwell Hardness (R-Scale) 87 ASTM D785 Machanical Nominal Value Unit Test Method Tensile Strength (23°C) 27.6 MPa ASTM D785 Machanical Nominal Value Unit Test Method Tensile Strength (23°C) 7.7 ASTM D785 Machanical Nominal Value Unit Test Method Tensile Strength (23°C) 7.7 ASTM D785 Machanical Unit Test Method Notched Izod Impact (23°C) 7.7 ASTM D785 Unnotched Izod Impact (23°C) 7.7 ASTM D785	Filler / Reinforcement	Talc,20% Filler by Weight			
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Thermal Nominal Value Unit Test Method Deflection Temperature Under Load (0.45 MPa, Unannealed) 118 °C ASTM D648 Injection Nominal Value Unit Rear Temperature 193 to 204 °C Middle Temperature 199 to 210 °C Front Temperature 204 to 216 °C	Unnotched Izod Impact (23°C)	670	J/m	ASTM D256	
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Rear Temperature 193 to 204 °C Middle Temperature 199 to 210 °C Front Temperature 204 to 216 °C	Deflection Temperature Under Load (0.45 MPa, Unannealed)	118	°C	ASTM D648	
Middle Temperature 199 to 210 °C Front Temperature 204 to 216 °C	Injection	Nominal Value	Unit		
Front Temperature 204 to 216 °C	Rear Temperature	193 to 204	°C		
Front Temperature 204 to 216 °C	Middle Temperature	199 to 210	°C		
·	Front Temperature		°C		

Mold Temperature	48.9 to 65.6	°C	
Injection Pressure	82.7 to 110	МРа	
Injection Rate	Moderate-Fast		
Holding Pressure	68.9 to 103	МРа	
Back Pressure	0.345	MPa	

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