

Polifil® PP RMT-40V

Polypropylene

The Plastics Group

Message:

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

General Information	
Filler / Reinforcement	Talc,40% Filler by Weight
Features	Good Color Stability
	Good Impact Resistance
Uses	Appliances
	Automotive Applications
	Outdoor Furnishings
Forms	Pellets
Processing Method	Blow Molding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow (1.59 mm)	1.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	88		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	25.9	MPa	ASTM D638
Flexural Modulus - Tangent	2760	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	64	J/m	ASTM D256
Unnotched Izod Impact	350	J/m	ASTM D256
Gardner Impact	4.52	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	127	°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	
Nozzle Temperature	210 to 221	°C	

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

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