

Plastics Group Polifil® RMT-40V 40% Talc-Reinforced Polypropylene, High Impact, UV Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Talc Filler

Material Notes:

Polifil® RMT-V series compounds are high impact, UV stabilized polypropylenes reinforced with asbestos-free talc. In addition to high impact strength, they possess a high flex modulus and the ability to retain their original color and state. Applications: Outdoor furnitureAutomotiveAppliancesStandard processing techniques are applicable. Information provided by The Plastics Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastics-Group-Polifil-RMT-40V-40-Talc-Reinforced-Polypropylene-High-Impact-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D792
Filler Content	40 %	40 %	ASTM D2584
Linear Mold Shrinkage	0.010 cm/cm @Thickness 1.59 mm	0.010 in/in @Thickness 0.0625 in	ASTM D955
Melt Flow	16 - 20 g/10 min	16 - 20 g/10 min	230/2.16; May be specified; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	88	88	ASTM D785
Tensile Strength at Break	25.9 MPa	3750 psi	ASTM D638
Flexural Modulus	2.76 GPa	400 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	At 73°F; ASTM D256
Izod Impact, Unnotched	3.47 J/cm	6.50 ft-lb/in	At 73°F; ASTM D256
Gardner Impact	4.519 J	3.333 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	127 °C	260 °F	ASTM D648

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