

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

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

Material Notes:

Polifil® RMT series compounds are high impact polypropylenes reinforced with asbestos-free talc. In addition to high impact strength, they possess a high flex modulus and high heat deflection resistance. These compounds are used in automotive applications and conform to the requirements of the FMVSS-302. Standard 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-40-40-Talc-Reinforced-Polypropylene-High-Impact.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	0.011 cm/cm @Thickness 1.59 mm	0.011 in/in @Thickness 0.0625 in	ASTM D955
Melt Flow	8.0 - 12 g/10 min	8.0 - 12 g/10 min	230/2.16; May be specified; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	87	87	ASTM D785
Tensile Strength at Break	25.9 MPa	3750 psi	ASTM D638
Flexural Modulus	2.90 GPa	420 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	At 73°F; ASTM D256
Izod Impact, Unnotched	3.52 J/cm	6.60 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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