

Plastics Group Polifil® RMT-10 10% Talc-Reinforced Polypropylene, High Impact

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% 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-10-10-Talc-Reinforced-Polypropylene-High-Impact.php

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in ³	ASTM D792
Filler Content	10 %	10 %	ASTM D2584
Linear Mold Shrinkage	0.013 cm/cm @Thickness 1.59 mm	0.013 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	29.48 MPa	4275 psi	ASTM D638
Flexural Modulus	1.83 GPa	265 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.854 J/cm	1.60 ft-lb/in	At 73°F; ASTM D256
Izod Impact, Unnotched	9.61 J/cm	18.0 ft-lb/in	At 73°F; ASTM D256
Gardner Impact	5.536 J	4.083 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	113 °C	236 °F	ASTM D648

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