

## Plastics Group Polifil® RMC-40V 40% Calcium Carbonate-Reinforced Polypropylene, High Impact, UV Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Calcium Carbonate (CaCO<sub>3</sub>) Filler

### Material Notes:

Polifil® RMC-V series compounds are high impact, UV stabilized polypropylenes reinforced with fine particle size calcium carbonate. In addition to the highest impact possible, these compounds retard dust and maintain their original state and color for many years.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastics-Group-Polifil-RMC-40V-40-Calcium-Carbonate-Reinforced-Polypropylene-High-Impact-UV-Stabilized.php](http://www.lookpolymers.com/polymer_Plastics-Group-Polifil-RMC-40V-40-Calcium-Carbonate-Reinforced-Polypropylene-High-Impact-UV-Stabilized.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	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	87	87	ASTM D785
Tensile Strength at Break	21.7 MPa	3150 psi	ASTM D638
Flexural Modulus	2.48 GPa	360 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.481 J/cm	0.900 ft-lb/in	At 73°F; ASTM D256
Izod Impact, Unnotched	NB	NB	At 73°F; ASTM D256
Gardner Impact	5.42 J	4.00 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	113 °C	235 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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