

## Plastics Group Polifil® RMC-20 20% Calcium Carbonate-Reinforced Polypropylene, High Impact

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Calcium Carbonate (CaCO<sub>3</sub>) Filler

### Material Notes:

Polifil® RMC series compounds are high impact polypropylenes reinforced with fine particle size calcium carbonate. In addition to the highest impact possible, they possess good stiffness, heat aging resistance, solvent resistance, surface quality, and good resistance to environmental stress-cracking. Applications: Automotive Appliances Electrical components Housewares Various utility products 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-RMC-20-20-Calcium-Carbonate-Reinforced-Polypropylene-High-Impact.php](http://www.lookpolymers.com/polymer_Plastics-Group-Polifil-RMC-20-20-Calcium-Carbonate-Reinforced-Polypropylene-High-Impact.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	ASTM D792
Filler Content	20 %	20 %	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	86	86	ASTM D785
Tensile Strength at Break	25.5 MPa	3700 psi	ASTM D638
Flexural Modulus	1.79 GPa	260 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	At 73°F; ASTM D256
Izod Impact, Unnotched	12.8 J/cm	24.0 ft-lb/in	At 73°F; ASTM D256
Gardner Impact	6.78 J	5.00 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China