

## Plastics Group Polifil® GFRMPPCC-40 40% Glass Reinforced Polypropylene, High Impact

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

### Material Notes:

Polifil® GFRMPPCC series compounds are high impact polypropylenes reinforced with chemically coupled glass fibers. This combination provides higher impact strength while retaining high stiffness. Applications: Appliances Electrical components Automotive 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-GFRMPPCC-40-40-Glass-Reinforced-Polypropylene-High-Impact.php](http://www.lookpolymers.com/polymer_Plastics-Group-Polifil-GFRMPPCC-40-40-Glass-Reinforced-Polypropylene-High-Impact.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	ASTM D792
Filler Content	40 %	40 %	ASTM D2584
Linear Mold Shrinkage	0.00030 cm/cm @Thickness 1.59 mm	0.00030 in/in @Thickness 0.0625 in	ASTM D955
Melt Flow	4.0 - 8.0 g/10 min	4.0 - 8.0 g/10 min	230/2.16; May be specified; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	86.2 MPa	12500 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	96.5 MPa	14000 psi	ASTM D638
Flexural Modulus	4.83 GPa	700 ksi	Tangent; ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	At 73°F; ASTM D256
Gardner Impact	0.678 J	0.500 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	152 °C	305 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	138 °C	280 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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