

## Plastics Group Polifil® RP-PP Polypropylene, Molding Grade

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

### Material Notes:

Polifil® RP-PP reprocessed polypropylene has the highest stiffness of the commodity olefin resins, while retaining sufficient impact properties for many applications. Due to its low cost and low density, polypropylene use has been expanding rapidly, and common uses now include injection molded articles, fibers, packaging films, and extruded sheet and profiles. Polypropylene is widely used in injection molding for housewares, appliances, and automotive parts. High flow grades are spun into fibers, and molded into thin wall containers, cups, and lids. Moderate flow resins are common in general injection molding and cast films. High molecular weight, low flow grades are extruded into sheet and profiles, and blow molded into automotive parts and recreational goods. Information provided by The Plastics Group.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastics-Group-Polifil-RP-PP-Polypropylene-Molding-Grade.php](http://www.lookpolymers.com/polymer_Plastics-Group-Polifil-RP-PP-Polypropylene-Molding-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.00 %	0.00 %	24 hours; ASTM D570
Melt Flow	10 - 20 g/10 min	10 - 20 g/10 min	230/2.16; May be specified; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4200 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	1% Secant; ASTM D790
Izod Impact, Notched	0.320 J/cm	0.600 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.41 J/cm	12.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.1 °C	205 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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