

Washington Penn H2GF3 Polypropylene, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

Material Notes:

Homopolymer. Excellent heat aged physical properties.Applications: Under hood applications, battery trays, exercise equipmentData provided by Washington Penn Plastic Co., Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Washington-Penn-H2GF3-Polypropylene-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ASTM D792
Melt Flow	5.0 g/10 min	5.0 g/10 min	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	76.0 MPa	11000 psi	ASTM D638
Flexural Yield Strength	48.0 MPa	6960 psi	ASTM D790
Flexural Modulus	5.00 GPa	725 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.900 J/cm @Thickness 3.17 mm	1.69 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	3.20 J/cm @Thickness 3.17 mm	5.99 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	144 °C	291 °F	ASTM D648

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