

A. Schulman POLYFORT™ FPP 1080 Glass Fiber-Reinforced Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Glass Fiber Filler

Material Notes:

Description Polyfort® FPP 1080 is a 20% fiber-reinforced homopolymer polypropylene with excellent strength and heat resistance.

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFORT-FPP-1080-Glass-Fiber-Reinforced-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	ASTM D792
Melt Flow	5.0 g/10 min @Temperature 230 °C	5.0 g/10 min @Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Yield	55.0 MPa	7980 psi	ASTM D638
Elongation at Break	2.8 %	2.8 %	ASTM D638
Flexural Modulus	4.48 GPa	650 ksi	ASTM D790
Izod Impact, Notched	0.720 J/cm	1.35 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.85 J/cm	3.47 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	150 °C	302 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °F	ASTM D648

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