

A. Schulman POLYFORT™ FPP 1285 Glass Fiber-Reinforced Copolymer Polypropylene

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

Material Notes:

Description Polyfort® FPP1285 is a 20% glass fiber-reinforced copolymer polypropylene. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFORT-FPP-1285-Glass-Fiber-Reinforced-Copolymer-Polypropylene.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ASTM D785
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM D638
Elongation at Break	2.5 %	2.5 %	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Flexural Strength	51.7 MPa	7500 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	0.910 J/cm	1.70 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	129 °C	264 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	87.0 °C	189 °F	ASTM D648

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