

A. Schulman POLYFORT™ FPP 1200 Calcium Carbonate-Filled Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Calcium Carbonate (CaCO₃) Filler

Material Notes:

Description Polyfort® FPP 1200 is a 40% calcium carbonate-filled homopolymer polypropylene. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFORT-FPP-1200-Calcium-Carbonate-Filled-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	93	93	ASTM D785
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Elongation at Break	35 %	35 %	ASTM D638
Flexural Modulus	2.48 GPa	360 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256
Gardner Impact	13.6 J	10.0 ft-lb	
	3.62 J	2.67 ft-lb	
	@Temperature -28.9 °C	@Temperature -20.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	118 °C	245 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	68.3 °C	155 °F	ASTM D648

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