

A. Schulman POLYFORT™ FPP 3711 High Impact Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Calcium Carbonate (CaCO3) Filler

Material Notes:

Description Polyfort® FPP 3711 is a 26% calcium carbonate filled high impact polypropylene. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFORT-FPP-3711-High-Impact-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Linear Mold Shrinkage	0.0015 cm/cm	0.0015 in/in	ASTM D955
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	177 %	177 %	ASTM D638
Flexural Strength	32.0 MPa	4640 psi	ASTM D790
Flexural Modulus	1.511 GPa	219.2 ksi	ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.0 °C	199 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	ASTM D648
Flammability, UL94	HB	HB	
	@Thickness 1.57 mm	@Thickness 0.0618 in	
	HB	HB	
	@Thickness 3.05 mm	@Thickness 0.120 in	

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