

Polykemi AB POLYfill PPC GF15030 PD1 VT2 Polypropylene Copolymer, Glass Fiber Reinforced, Chemically Coupled, Heat Stabilized

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

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYfill-PPC-GF15030-PD1-VT2-Polypropylene-Copolymer-Glass-Fiber-Reinforced-Chemically-Coupled-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ISO 1183
Filler Content	30 %	30 %	±2%; Polykemi
Melt Index of Compound	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 70.0 MPa	<= 10200 psi	ISO/R527
Elongation at Break	4.0 %	4.0 %	ISO/R527
Flexural Strength	<= 110 MPa	<= 16000 psi	ISO 178
Flexural Modulus	5.00 GPa @Temperature 23.0 °C	725 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	1.00 J/cm ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	140 °C	284 °F	120°C/h; ISO 75/1
Vicat Softening Point	120 °C @Load 5.001 kg	248 °F @Load 11.03 lb	50°C/h; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
Glow Wire Test	750 °C @Thickness 2.00 mm	1380 °F @Thickness 0.0787 in	IEC 695-2-1

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