

Polykemi AB POLYfill PPHC T20050 Polypropylene, Mineral Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYfill-PPHC-T20050-Polypropylene-Mineral-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183
Filler Content	50 %	50 %	±2%; Polykemi
Melt Index of Compound	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 25.0 MPa	<= 3630 psi	ISO/R527
Flexural Strength	<= 56.0 MPa	<= 8120 psi	ISO 178
Flexural Modulus	3.10 GPa @Temperature 23.0 °C	450 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.200 J/cm ² @Temperature 23.0 °C	0.952 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	123 °C	253 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	120°C/h; ISO 75/1
Vicat Softening Point	86.0 °C @Load 5.001 kg	187 °F @Load 11.03 lb	50°C/h; ISO 306
	145 °C @Load 1.00 kg	293 °F @Load 2.21 lb	50°C/h; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
Glow Wire Test	750 °C	1380 °F	IEC 695-2-1

Thermal Properties	@Thickness 2.00 mm Metric	@Thickness 0.0787 in English	Comments
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