

Polykemi AB POLYfill PPC T1010 Polypropylene, Mineral Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Talc Filler

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYfill-PPC-T1010-Polypropylene-Mineral-Reinforced.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ISO 1183
Filler Content	10 %	10 %	±2%; Polykemi
Linear Mold Shrinkage	0.012 - 0.014 cm/cm	0.012 - 0.014 in/in	With Flow; ISO 2577
	0.012 - 0.014 cm/cm	0.012 - 0.014 in/in	Across Flow; ISO 2577
Melt Index of Compound	1.0 g/10 min @Load 2.16 kg, Temperature 230 °C	1.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 20.0 MPa	<= 2900 psi	ISO/R527
Elongation at Yield	9.0 %	9.0 %	ISO/R527
Flexural Strength	<= 29.0 MPa	<= 4210 psi	ISO 178
Flexural Modulus	1.60 GPa @Temperature 23.0 °C	232 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	2.80 J/cm ² @Temperature 23.0 °C	13.3 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	101 °C	214 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	120°C/h; ISO 75/1
Vicat Softening Point	50.0 °C @Load 5.001 kg	122 °F @Load 11.03 lb	50°C/h; ISO 306
	130 °C @Load 1.00 kg	266 °F @Load 2.21 lb	50°C/h; ISO 306

Thermal Properties Flammability, UL 94	Metric	English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	750 °C	1380 °F	IEC 695-2-1
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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