

Polykemi AB POLYfill PP EVR8025H UV Polypropylene/EDPM, Mineral Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Talc Filler

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYfill-PP-EVR8025H-UV-PolypropyleneEDPM-Mineral-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ISO 1183
Filler Content	25 %	25 %	±2%; Polykemi
Linear Mold Shrinkage	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	With Flow; ISO 2577
	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	Across Flow; ISO 2577
Melt Index of Compound	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 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	5.0 %	5.0 %	ISO/R527
Flexural Strength	<= 30.0 MPa	<= 4350 psi	ISO 178
Flexural Modulus	1.80 GPa @Temperature 23.0 °C	261 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.400 J/cm ² @Temperature -20.0 °C	1.90 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	1.50 J/cm ² @Temperature 23.0 °C	7.14 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	120°C/h; ISO 75/1
Vicat Softening Point	70.0 °C	158 °F	50°C/h; ISO 306

Thermal Properties	@Load 5.001 kg Metric	@Load 11.03 lb English	Comments
	145 °C	293 °F	50°C/h; ISO 306
	@Load 1.00 kg	@Load 2.21 lb	
Flammability, UL94	HB	HB	
	@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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