

Polykemi AB POLYfill PP EIP2012 F Polypropylene, Mineral Reinforced, Extrusion grade, Low CLTE

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

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYfill-PP-EIP2012-F-Polypropylene-Mineral-Reinforced-Extrusion-grade-Low-CLTE.php

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in ³	ISO 1183
Filler Content	12 %	12 %	±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	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 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
Flexural Strength	<= 28.0 MPa	<= 4060 psi	ISO 178
Flexural Modulus	1.30 GPa @Temperature 23.0 °C	189 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	1.30 J/cm ² @Temperature -20.0 °C	6.19 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	3.00 J/cm ² @Temperature 23.0 °C	14.3 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	120°C/h; ISO 75/1
Vicat Softening Point	60.0 °C	140 °F	50°C/h; ISO 306

Thermal Properties	@Load 5.001 kg Metric	@Load 11.03 lb English	Comments
	135 °C	275 °F	50°C/h; ISO 306
	@Load 1.00 kg	@Load 2.21 lb	

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