

Polykemi AB POLYshine PBT C213 GF15 FR PBT, Glass Fiber-Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 10% Glass Fiber Filled , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled , Polybutylene Terephthalate (PBT), Glass Fiber Filled, Flame Retardant

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYshine-PBT-C213-GF15-FR-PBT-Glass-Fiber-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in ³	ISO 1183
Filler Content	15 %	15 %	±2%; Polykemi

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 90.0 MPa	<= 13100 psi	ISO/R527
Elongation at Break	7.0 %	7.0 %	ISO/R527
Flexural Strength	<= 136 MPa	<= 19700 psi	ISO 178
Flexural Modulus	5.20 GPa @Temperature 23.0 °C	754 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)	213 °C	415 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	101 °C	214 °F	120°C/h; ISO 75/1
Vicat Softening Point	189 °C @Load 5.001 kg	372 °F @Load 11.03 lb	50°C/h; ISO 306
	215 °C @Load 1.00 kg	419 °F @Load 2.21 lb	50°C/h; ISO 306
Flammability, UL94	V-0	V-0	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
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