

Polykemi AB POLYshine PBT D204 GF30 FR PBT, Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% 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-D204-GF30-FR-PBT-Glass-Fiber-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	ISO 1183
Filler Content	30 %	30 %	±2%; Polykemi
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	With Flow; ISO 2577
	0.012 cm/cm	0.012 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 145 MPa	<= 21000 psi	ISO/R527
Elongation at Break	1.8 %	1.8 %	ISO/R527
Flexural Strength	<= 185 MPa	<= 26800 psi	ISO 178
Flexural Modulus	9.00 GPa @Temperature 23.0 °C	1310 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.300 J/cm ² @Temperature 23.0 °C	1.43 ft-lb/in ² @Temperature 73.4 °F	ISO 179
	0.300 J/cm ² @Temperature -20.0 °C	1.43 ft-lb/in ² @Temperature -4.00 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	120°C/h; ISO 75/1
Vicat Softening Point	210 °C @Load 5.001 kg	410 °F @Load 11.03 lb	50°C/h; ISO 306
Flammability, UL94	V-0	V-0	

Thermal Properties	@Thickness 1.00 mm Metric	@Thickness 0.0394 in English	Comments
Glow Wire Test	960 °C	1760 °F	IEC 695-2-1
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China