

Polykemi AB POLYshine PBT D221 GF30 PBT, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYshine-PBT-D221-GF30-PBT-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 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	<= 140 MPa	<= 20300 psi	ISO/R527
Elongation at Break	2.5 %	2.5 %	ISO/R527
Flexural Strength	<= 175 MPa	<= 25400 psi	ISO 178
Flexural Modulus	7.70 GPa	1120 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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	215 °C	419 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Thermal Properties	750 °C Metric	1380 °F English	Comments
	@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