

Polykemi AB POLYshine PBT D231 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-D231-GF30-PBT-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 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	<= 135 MPa	<= 19600 psi	ISO/R527
Elongation at Break	2.5 %	2.5 %	ISO/R527
Flexural Strength	<= 170 MPa	<= 24700 psi	ISO 178
Flexural Modulus	7.40 GPa @Temperature 23.0 °C	1070 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.900 J/cm ² @Temperature -20.0 °C	4.28 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	1.00 J/cm ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	201 °C	394 °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	HB @Thickness 1.60 mm	HB @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