

Polykemi AB POLYshine PBT D201 FB52 PBT, Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYshine-PBT-D201-FB52-PBT-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.84 g/cc	0.0665 lb/in ³	ISO 1183
Filler Content	52 %	52 %	±2%; Polykemi
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	With Flow; ISO 2577
	0.010 cm/cm	0.010 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 105 MPa	<= 15200 psi	ISO/R527
Elongation at Break	4.0 %	4.0 %	ISO/R527
Flexural Strength	<= 165 MPa	<= 23900 psi	ISO 178
Flexural Modulus	12.3 GPa @Temperature 23.0 °C	1780 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.600 J/cm ² @Temperature 23.0 °C	2.86 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)	202 °C	396 °F	120°C/h; ISO 75/1

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