

Polykemi AB POLYshine PBT D201 T20 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-T20-PBT-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ISO 1183
Filler Content	20 %	20 %	±2%; Polykemi

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 50.0 MPa	<= 7250 psi	ISO/R527
Elongation at Break	16 %	16 %	ISO/R527
Elongation at Yield	5.0 %	5.0 %	ISO/R527
Flexural Strength	<= 92.0 MPa	<= 13300 psi	ISO 178
Flexural Modulus	4.40 GPa @Temperature 23.0 °C	638 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.300 J/cm ² @Temperature -20.0 °C	1.43 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	0.400 J/cm ² @Temperature 23.0 °C	1.90 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	113 °C	235 °F	120°C/h; ISO 75/1
Vicat Softening Point	187 °C @Load 5.001 kg	369 °F @Load 11.03 lb	50°C/h; ISO 306
Glow Wire Test	650 °C @Thickness 2.20 mm	1200 °F @Thickness 0.0866 in	IEC 695-2-1

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