

Polykemi AB SCANBLEND P AP2060 F20 PBT/ASA, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , ASA Polymer , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + ASA Blend, Glass Fiber Reinforced

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANBLEND-P-AP2060-F20-PBTASA-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in ³	ISO 1183
Filler Content	20 %	20 %	±2%; Polykemi
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	With Flow; ISO 2577
	0.011 cm/cm	0.011 in/in	Across Flow; ISO 2577
Melt Index of Compound	48 g/10 min @Load 2.16 kg, Temperature 275 °C	48 g/10 min @Load 4.76 lb, Temperature 527 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 100 MPa	<= 14500 psi	ISO/R527
Elongation at Break	8.0 %	8.0 %	ISO/R527
Elongation at Yield	8.0 %	8.0 %	ISO/R527
Flexural Strength	<= 156 MPa	<= 22600 psi	ISO 178
Flexural Modulus	6.20 GPa @Temperature 23.0 °C	899 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact Unnotched	3.20 J/cm ² @Temperature -30.0 °C	15.2 ft-lb/in ² @Temperature -22.0 °F	ISO 179
	5.20 J/cm ² @Temperature 23.0 °C	24.7 ft-lb/in ² @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	0.550 J/cm ² @Temperature -20.0 °C	2.62 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	0.700 J/cm ² @Temperature 23.0 °C	3.33 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)	195 °C	383 °F	120°C/h; ISO 75/1
Vicat Softening Point	195 °C	383 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
	215 °C	419 °F	50°C/h; ISO 306
	@Load 1.00 kg	@Load 2.21 lb	

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