

Polykemi AB SCANBLEND P AP2060 F30 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-F30-PBTASA-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in³	ISO 1183
Filler Content	30 %	30 %	±2%; Polykemi
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	With Flow; ISO 2577
	0.0070 cm/cm	0.0070 in/in	Across Flow; ISO 2577
Melt Index of Compound	23 g/10 min	23 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 275 °C	@Load 4.76 lb, Temperature 527 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 110 MPa	<= 16000 psi	ISO/R527
Elongation at Yield	2.0 %	2.0 %	ISO/R527
Flexural Strength	<= 160 MPa	<= 23200 psi	ISO 178
Flexural Modulus	9.30 GPa	1350 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	4.00 J/cm²	19.0 ft-lb/in²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.800 J/cm²	3.81 ft-lb/in²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	205 °C	401 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	170 °C	338 °F	120°C/h; ISO 75/1
Vicat Softening Point	148 °C	298 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	

Thermal Properties	Metric	English	Comments
	@Load 1.00 kg	@Load 2.21 lb	50 °C/h, ISO 306
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	750 °C	1380 °F	IEC 695-2-1
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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