

Polykemi AB POLYblend 65FS GF10 PC/ABS-blend, Glass Fiber reinforced

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled , Polycarbonate (PC)

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYblend-65FS-GF10-PCABS-blend-Glass-Fiber-reinforced.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
Filler Content	10 %	10 %	±2%; Polykemi
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	With Flow; ISO 2577
	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 60.0 MPa	<= 8700 psi	ISO/R527
Elongation at Yield	4.0 %	4.0 %	ISO/R527
Flexural Strength	<= 110 MPa	<= 16000 psi	ISO 178
Flexural Modulus	3.80 GPa	551 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	125 °C	257 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	115 °C	239 °F	120°C/h; ISO 75/1
Vicat Softening Point	115 °C	239 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 280 °C	464 - 536 °F	

Processing Properties	Metric 100 °C	English 212 °F	Comments
Drying Temperature	100 - 110 °C	212 - 230 °F	
Dry Time	2 - 8 hour	2 - 8 hour	in circulation dryer
	2 - 8 hour	2 - 8 hour	in fresh-air dryer
	2 - 8 hour	2 - 8 hour	in desiccant air dryer
Injection Pressure	90.0 - 150 MPa	13100 - 21800 psi	
Back Pressure	0.500 - 1.50 MPa	72.5 - 218 psi	

Descriptive Properties	Value	Comments
Holding Pressure ()	20-50	% of injection pressure
Injection Speed ()	High	

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