

## Polykemi AB POLYblend 85FS 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-85FS-GF10-PCABS-Blend-Glass-Fiber-reinforced.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYblend-85FS-GF10-PCABS-Blend-Glass-Fiber-reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in <sup>3</sup>	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
Melt Index of Compound	10 g/10 min	10 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 260 °C	@Load 11.0 lb, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Elongation at Yield	3.0 %	3.0 %	ISO/R527
Flexural Strength	<= 115 MPa	<= 16700 psi	ISO 178
Flexural Modulus	4.00 GPa	580 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.900 J/cm <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	125 °C	257 °F	120°C/h; ISO 75/1
Vicat Softening Point	130 °C	266 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
	HB	HB	

Thermal Properties	Metric	English	Comments
	@ 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	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 280 °C	464 - 536 °F	
Mold Temperature	70.0 - 100 °C	158 - 212 °F	
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	

## Contact Songhan Plastic Technology Co.,Ltd.

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