

## Polykemi AB POLYblend 45FS GKF2505 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-45FS-GKF2505-PCABS-Blend-Glass-Fiber-reinforced.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYblend-45FS-GKF2505-PCABS-Blend-Glass-Fiber-reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	ISO 1183
Filler Content	30 %	30 %	±2%; Polykemi

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 38.0 MPa	<= 5510 psi	ISO/R527
Elongation at Break	4.0 %	4.0 %	ISO/R527
Flexural Strength	<= 70.0 MPa	<= 10200 psi	ISO 178
Flexural Modulus	3.80 GPa @Temperature 23.0 °C	551 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.300 J/cm <sup>2</sup> @Temperature -20.0 °C	1.43 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ISO 179
	0.400 J/cm <sup>2</sup> @Temperature 23.0 °C	1.90 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	109 °C	228 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	106 °C	223 °F	120°C/h; ISO 75/1
Vicat Softening Point	103 °C @Load 5.001 kg	217 °F @Load 11.03 lb	50°C/h; ISO 306
	112 °C @Load 1.00 kg	234 °F @Load 2.21 lb	50°C/h; ISO 306

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

Processing Properties	Metric <sup>78.9 - 100 °C</sup>	English <sup>158 - 212 °F</sup>	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	

## Contact Songhan Plastic Technology Co.,Ltd.

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