

## Polykemi AB POLYlux 3809S F20 PC/PBT-Blend, Glass Fiber-Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Glass Filled , Polyester, TP , Polybutylene Terephthalate (PBT)

**Material Notes:**

Information provided by Polykemi AB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polykemi-AB-POLYlux-3809S-F20-PCPBT-Blend-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYlux-3809S-F20-PCPBT-Blend-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in <sup>3</sup>	ISO 1183
Filler Content	20 %	20 %	±2%; Polykemi
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	With Flow; ISO 2577
	0.0080 cm/cm	0.0080 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 80.0 MPa	<= 11600 psi	ISO/R527
Elongation at Break	4.0 %	4.0 %	ISO/R527
Flexural Modulus	4.80 GPa	696 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.10 J/cm <sup>2</sup>	5.23 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)	110 °C	230 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	120°C/h; ISO 75/1
Vicat Softening Point	125 °C	257 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	

## Contact Songhan Plastic Technology Co.,Ltd.

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