

## Polykemi AB POLYabs F20 GF17 ABS, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 20% Glass Fiber Filled

### Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polykemi-AB-POLYabs-F20-GF17-ABS-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYabs-F20-GF17-ABS-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in <sup>3</sup>	ISO 1183
Filler Content	17 %	17 %	±2%; Polykemi
Linear Mold Shrinkage	0.0025 - 0.0045 cm/cm	0.0025 - 0.0045 in/in	Across Flow; ISO 2577
	0.0025 - 0.0045 cm/cm	0.0025 - 0.0045 in/in	With Flow; ISO 2577
Melt Index of Compound	10 g/10 min	10 g/10 min	ISO 1133
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 42.0 MPa	<= 6090 psi	ISO/R527
Elongation at Break	2.5 %	2.5 %	ISO/R527
Flexural Strength	<= 75.0 MPa	<= 10900 psi	ISO 178
Flexural Modulus	4.70 GPa	682 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.500 J/cm <sup>2</sup>	2.38 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)	105 °C	221 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	120°C/h; ISO 75/1
Vicat Softening Point	105 °C	221 °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	190 - 230 °C	374 - 446 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	2 - 4 hour	2 - 4 hour	in desiccant air dryer
	2 - 4 hour	2 - 4 hour	in fresh-air dryer
	2 - 4 hour	2 - 4 hour	in circulation dryer
Injection Pressure	90.0 - 150 MPa	13100 - 21800 psi	
Back Pressure	1.00 - 1.50 MPa	145 - 218 psi	

Descriptive Properties	Value	Comments
Holding Pressure ()	20-40	% of injection pressure
Injection Speed ()	High	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China