

## Barlog Plastics KEBATER BF120 PBT, 20% glass fiber reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

### Material Notes:

PBT-GF20 Information provided by BARLOG plastics GmbH.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Barlog-Plastics-KEBATER-BF120-PBT-20-glass-fiber-reinforced.php](http://www.lookpolymers.com/polymer_Barlog-Plastics-KEBATER-BF120-PBT-20-glass-fiber-reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	0.15 %	0.15 %	similar to ISO 62 test
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.012 cm/cm	0.012 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	120 MPa	17400 psi	ISO 527-1
Elongation at Break	3.5 %	3.5 %	ISO 527-1
Tensile Modulus	7.50 GPa	1090 ksi	ISO 527-1
Charpy Impact Unnotched	6.50 J/cm <sup>2</sup>	30.9 ft-lb/in <sup>2</sup>	ISO 179-1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact Unnotched	6.50 J/cm <sup>2</sup>	30.9 ft-lb/in <sup>2</sup>	ISO 179-1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 179-1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.30 J/cm <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	ISO 179-1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.0 µm/m-°C	27.8 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	80.0 µm/m-°C	44.4 µin/in-°F	ISO 11359-1/-2
Melting Point	225 °C	437 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75-1/-2

Deflection Temperature at 1.8 MPa (1.8 MPa) Thermal Properties	205 °C Metric	401 °F English	ISO 75-1/-2 Comments
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	UL Registered; IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	IEC 60093
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093

Descriptive Properties	Value	Comments
Resin Type	PBT-GF20	

## 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