

## Polykemi AB POLYshine PBT D233 GF15 FR Polypropylene, Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Glass Fiber Filler

### Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polykemi-AB-POLYshine-PBT-D233-GF15-FR-Polypropylene-Glass-Fiber-Reinforced-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYshine-PBT-D233-GF15-FR-Polypropylene-Glass-Fiber-Reinforced-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in <sup>3</sup>	ISO 1183
Filler Content	15 %	15 %	±2%; Polykemi
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	With Flow; ISO 2577
	0.013 cm/cm	0.013 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 115 MPa	<= 16700 psi	ISO/R527
Elongation at Break	2.5 %	2.5 %	ISO/R527
Flexural Strength	<= 165 MPa	<= 23900 psi	ISO 178
Flexural Modulus	6.00 GPa @Temperature 23.0 °C	870 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.500 J/cm <sup>2</sup> @Temperature 23.0 °C	2.38 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179
	0.500 J/cm <sup>2</sup> @Temperature -20.0 °C	2.38 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	205 °C	401 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	120°C/h; ISO 75/1
Vicat Softening Point	205 °C @Load 5.001 kg	401 °F @Load 11.03 lb	50°C/h; ISO 306
Flammability, UL94	V-0	V-0	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
Glow Wire Test	960 °C	1760 °F	IEC 695-2-1
	@Thickness 2.00 mm	@Thickness 0.0787 in	

## 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