

## Polykemi AB POLYshine PBT D223 Q30 FR PBT, Mineral Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Flame Retardant , Polybutylene Terephthalate (PBT), Mineral Filled

### Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polykemi-AB-POLYshine-PBT-D223-Q30-FR-PBT-Mineral-Reinforced-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYshine-PBT-D223-Q30-FR-PBT-Mineral-Reinforced-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in <sup>3</sup>	ISO 1183
Filler Content	30 %	30 %	±2%; Polykemi
Linear Mold Shrinkage	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	With Flow; ISO 2577
	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 55.0 MPa	<= 7980 psi	ISO/R527
Elongation at Break	4.0 %	4.0 %	ISO/R527
Flexural Strength	<= 85.0 MPa	<= 12300 psi	ISO 178
Flexural Modulus	4.40 GPa @Temperature 23.0 °C	638 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.200 J/cm <sup>2</sup> @Temperature -20.0 °C	0.952 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)	172 °C	342 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	83.0 °C	181 °F	120°C/h; ISO 75/1
Vicat Softening Point	175 °C @Load 5.001 kg	347 °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.

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