

## Polykemi AB POLYshine PBT D221 Q25 PBT, Mineral Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , 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-D221-Q25-PBT-Mineral-Reinforced.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYshine-PBT-D221-Q25-PBT-Mineral-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in <sup>3</sup>	ISO 1183
Filler Content	25 %	25 %	±2%; Polykemi
Linear Mold Shrinkage	0.012 - 0.015 cm/cm	0.012 - 0.015 in/in	With Flow; ISO 2577
	0.012 - 0.015 cm/cm	0.012 - 0.015 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 50.0 MPa	<= 7250 psi	ISO/R527
Elongation at Break	3.0 %	3.0 %	ISO/R527
Flexural Strength	<= 80.0 MPa	<= 11600 psi	ISO 178
Flexural Modulus	4.00 GPa	580 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 -20.0 °C	@Temperature -4.00 °F	
	0.700 J/cm <sup>2</sup>	3.33 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)	165 °C	329 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	120°C/h; ISO 75/1
Vicat Softening Point	170 °C	338 °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	

Thermal Properties	650 °C Metric	1200 °F English	Comments
	@Thickness 2.00 mm	@Thickness 0.0787 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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