

## Polyram RamSter PF321G3 PBT, 15% Glass Fiber, Flame Retardant

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

### Material Notes:

15% Glass fiber reinforced, flame retardant PBT for injection molding applications. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-RamSter-PF321G3-PBT-15-Glass-Fiber-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Polyram-RamSter-PF321G3-PBT-15-Glass-Fiber-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	0.15 %	0.15 %	50% RH; ISO 62
Water Absorption at Saturation	0.50 %	0.50 %	ISO 62
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ISO 2577
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 250 °C	15 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	105 MPa	15200 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Flexural Strength	130 MPa	18900 psi	ISO 178
Flexural Modulus	5.00 GPa	725 ksi	ISO 178
Izod Impact, Notched (ISO)	7.20 kJ/m <sup>2</sup>	3.43 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ISO 75
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
Glow Wire Test	960 °C	1760 °F	GWFI; IEC 60695

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093
Dielectric Constant	3.4 @Frequency 1.00e+6 Hz	3.4 @Frequency 1.00e+6 Hz	IEC 60250
Dielectric Strength	29.0 kV/mm	737 kV/in	IEC 60250

## Contact Songhan Plastic Technology Co.,Ltd.

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