

## Polyram RamSter PF300G8 PBT, 40% Glass Fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 40% Glass Fiber Filled

### Material Notes:

40% Glass fiber reinforced PBT for injection molding applications. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-RamSter-PF300G8-PBT-40-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Polyram-RamSter-PF300G8-PBT-40-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	0.10 %	0.10 %	50% RH; ISO 62
Water Absorption at Saturation	0.50 %	0.50 %	ISO 62
Linear Mold Shrinkage	0.0027 cm/cm	0.0027 in/in	ISO 2577
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 250 °C	9.0 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	145 MPa	21000 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Tensile Modulus	13.0 GPa	1890 ksi	ISO 527
Flexural Strength	200 MPa	29000 psi	ISO 178
Flexural Modulus	9.50 GPa	1380 ksi	ISO 178
Izod Impact, Notched (ISO)	16.0 kJ/m <sup>2</sup>	7.61 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	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
Dielectric Strength	34.0 kV/mm	864 kV/in	IEC 60250

## Contact Songhan Plastic Technology Co.,Ltd.

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