

## Polyram RamSter RF303G6 PBT, 30% Glass Fiber, Industrial Grade

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

### Material Notes:

Industrial Grade, 30% 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-RF303G6-PBT-30-Glass-Fiber-Industrial-Grade.php](http://www.lookpolymers.com/polymer_Polyram-RamSter-RF303G6-PBT-30-Glass-Fiber-Industrial-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	ISO 1183
Water Absorption at Saturation	0.50 %	0.50 %	ISO 62
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ISO 2577
Melt Flow	16.5 g/10 min @Load 2.16 kg, Temperature 250 °C	16.5 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	130 MPa	18900 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Flexural Strength	190 MPa	27600 psi	ISO 178
Flexural Modulus	5.80 GPa	841 ksi	ISO 178
Izod Impact, Notched (ISO)	9.50 kJ/m <sup>2</sup>	4.52 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)	205 °C	401 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
Flame Spread	17 mm/min	0.67 in/min	FMVSS302
Glow Wire Test	750 °C	1380 °F	GWFI; IEC 60695

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
Dielectric Constant	3.6	3.6	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	34.0 kV/mm	864 kV/in	IEC 60250

## Contact Songhan Plastic Technology Co.,Ltd.

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