

## Polyram RamTough PZ307G4 Polycarbonate, 20% Glass Fiber, UV Stabilized

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 20% Glass Filled

### Material Notes:

20% glass fiber reinforced polycarbonate, UV stabilized, for injection molding applications. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-RamTough-PZ307G4-Polycarbonate-20-Glass-Fiber-UV-Stabilized.php](http://www.lookpolymers.com/polymer_Polyram-RamTough-PZ307G4-Polycarbonate-20-Glass-Fiber-UV-Stabilized.php)

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in <sup>3</sup>	ISO 1183
Water Absorption at Saturation	0.10 %	0.10 %	ISO 62
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ISO 2577
Melt Flow	9.0 g/10 min @Load 1.20 kg, Temperature 300 °C	9.0 g/10 min @Load 2.65 lb, Temperature 572 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	5.00 GPa	725 ksi	ISO 527
Flexural Strength	200 MPa	29000 psi	ISO 178
Flexural Modulus	5.50 GPa	798 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	140 °C	284 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	ISO 75
Flammability, UL94	V-2 @Thickness 3.00 mm	V-2 @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	IEC 60093
Dielectric Strength	30.0 kV/mm	762 kV/in	IEC 60250

## **Contact Songhan Plastic Technology Co.,Ltd.**

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