

## Polyram RamTough RZ321G2 Polycarbonate, 10% Glass Fiber, Flame Retardant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Glass Fiber Filled, Flame Retardant

### Material Notes:

10% Glass fiber reinforced, flame retardant polycarbonate for injection molding applications. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-RamTough-RZ321G2-Polycarbonate-10-Glass-Fiber-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Polyram-RamTough-RZ321G2-Polycarbonate-10-Glass-Fiber-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in <sup>3</sup>	ISO 1183
Water Absorption at Saturation	0.12 %	0.12 %	ISO 62
Melt Flow	17 g/10 min @Load 1.20 kg, Temperature 300 °C	17 g/10 min @Load 2.65 lb, Temperature 572 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527
Elongation at Break	10 %	10 %	ISO 527
Tensile Modulus	2.70 GPa	392 ksi	ISO 527
Flexural Strength	90.0 MPa	13100 psi	ISO 178
Flexural Modulus	2.80 GPa	406 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
Deflection Temperature at 0.46 MPa (66 psi)	147 °C	297 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	ISO 75
Vicat Softening Point	148 °C	298 °F	ISO 306
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093
Dielectric Strength	30.0 kV/mm	762 kV/in	IEC 60250

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

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