

Polyram RamTough PZ304G2 Polycarbonate, 10% Glass Fiber

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 10% Glass Filled

Material Notes:

10% glass fiber reinforced polycarbonate for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamTough-PZ304G2-Polycarbonate-10-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183
Water Absorption at Saturation	0.12 %	0.12 %	ISO 62
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ISO 2577
Melt Flow	6.0 g/10 min @Load 1.20 kg, Temperature 300 °C	6.0 g/10 min @Load 2.65 lb, Temperature 572 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 MPa	10900 psi	ISO 527
Elongation at Break	9.0 %	9.0 %	ISO 527
Tensile Modulus	2.90 GPa	421 ksi	ISO 527
Flexural Strength	120 MPa	17400 psi	ISO 178
Flexural Modulus	2.70 GPa	392 ksi	ISO 178
Izod Impact, Notched (ISO)	7.50 kJ/m ²	3.57 ft-lb/in ²	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
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	IEC 60250
Dielectric Strength	30.0 kV/mm	762 kV/in	IEC 60250

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