

Polyram RamTough PZ324G4NT Polycarbonate, 20% Glass Fiber, Flame Retardant

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

Material Notes:

20% 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-PZ324G4NT-Polycarbonate-20-Glass-Fiber-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ISO 2577
Melt Flow	10 g/10 min @Load 1.20 kg, Temperature 300 °C	10 g/10 min @Load 2.65 lb, Temperature 572 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	95.0 MPa	13800 psi	ISO 527
Elongation at Break	2.7 %	2.7 %	ISO 527
Tensile Modulus	6.00 GPa	870 ksi	ISO 527
Flexural Strength	150 MPa	21800 psi	ISO 178
Flexural Modulus	5.60 GPa	812 ksi	ISO 178
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	145 °C	293 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °F	ISO 75
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 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

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