

Polyram RamTough PZ500 Polycarbonate, Flame Retardant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Unreinforced, Flame Retardant

Material Notes:

Flame retardant polycarbonate for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamTough-PZ500-Polycarbonate-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	
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	63.0 MPa	9140 psi	ASTM-D638
Elongation at Break	95 %	95 %	ASTM-D638
Tensile Modulus	2.40 GPa	348 ksi	ASTM-D790
Izod Impact, Notched	2.50 J/cm @Temperature 23.0 °C	4.68 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	135 °C	275 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	125 °C	257 °F	DIN 53461
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
Glow Wire Test	850 °C	1560 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+16 ohm-cm	>= 1.00e+16 ohm-cm	DIN 53482
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	DIN 53482
Dielectric Strength	30.0 kV/mm	762 kV/in	VDE 0303/4

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