

Polyram RamTough PZ741 Polycarbonate, UV Stabilized

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, UV Stabilized

Material Notes:

UV stabilized low viscosity 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-PZ741-Polycarbonate-UV-Stabilized.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	18 g/10 min @Load 1.20 kg, Temperature 300 °C	18 g/10 min @Load 2.65 lb, Temperature 572 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	ASTM-D638
Elongation at Break	100 %	100 %	ASTM-D638
Tensile Modulus	2.30 GPa	334 ksi	ASTM-D790
Izod Impact, Notched	7.00 J/cm @Temperature 23.0 °C	13.1 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	137 °C	279 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	128 °C	262 °F	DIN 53461
Flammability, UL94	V-2 @Thickness 3.00 mm	V-2 @Thickness 0.118 in	
Glow Wire Test	750 °C	1380 °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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