

Polyram RamTough RZ222 Polycarbonate, Injection Molding

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Molded

Material Notes:

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-RZ222-Polycarbonate-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	
Melt Flow	15 g/10 min @Load 1.20 kg, Temperature 300 °C	15 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	ASTM-D638
Elongation at Break	>= 95 %	>= 95 %	ASTM-D638
Flexural Strength	>= 90.0 MPa	>= 13100 psi	ASTM D790
Flexural Modulus	>= 2.20 GPa	>= 319 ksi	ASTM-D790
Izod Impact, Notched	7.00 J/cm - NB @Temperature 23.0 °C	13.1 ft-lb/in - NB @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	>= 130 °C	>= 266 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	>= 120 °C	>= 248 °F	DIN 53461
Vicat Softening Point	145 °C	293 °F	ASTM-D1525
Flammability, UL94	V-2 @Thickness 3.00 mm	V-2 @Thickness 0.118 in	
Glow Wire Test	960 °C	1760 °F	

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