

Polyram RamLloy PBB101 PC/ABS alloy, Injection Molding

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

PC/ABS alloy for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PBB101-PCABS-alloy-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in³	DIN 53479
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	
Melt Flow	18 g/10 min	18 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ASTM-D638
Elongation at Break	60 %	60 %	ASTM-D638
Flexural Strength	90.0 MPa	13100 psi	ASTM-D790
Flexural Modulus	2.30 GPa	334 ksi	ASTM-D790
Izod Impact, Notched	4.00 J/cm @Temperature 23.0 °C	7.49 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	DIN 53461
Vicat Softening Point	120 °C	248 °F	ASTM-D1525
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+14 ohm	>= 1.00e+14 ohm	DIN 53482
Dielectric Strength	24.0 kV/mm	610 kV/in	VDE 0303/4

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