

Polyram RamLloy PBB104 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-PBB104-PCABS-alloy-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	DIN 53479
Water Absorption	0.60 %	0.60 %	DIN 53495
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	
Melt Flow	30 g/10 min @Load 5.00 kg, Temperature 260 °C	30 g/10 min @Load 11.0 lb, Temperature 500 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ASTM-D638
Elongation at Break	25 %	25 %	ASTM-D638
Tensile Modulus	2.20 GPa	319 ksi	ASTM-D790
Izod Impact, Notched	5.00 J/cm @Temperature 23.0 °C	9.37 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	116 °C	241 °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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