

Polyram RamLloy PBB704 PC/ABS Alloy, UV Stabilized

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

Material Notes:

PC/ABS alloy, UV stabilized, for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PBB704-PCABS-Alloy-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	ISO 2577
Melt Flow	18 g/10 min @Load 5.00 kg, Temperature 240 °C	18 g/10 min @Load 11.0 lb, Temperature 464 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ISO 527
Elongation at Break	30 %	30 %	ISO 527
Tensile Modulus	2.00 GPa	290 ksi	ISO 527
Flexural Strength	80.0 MPa	11600 psi	ISO 178
Flexural Modulus	2.10 GPa	305 ksi	ISO 178
Izod Impact, Notched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ISO 75
Vicat Softening Point	120 °C	248 °F	ISO 306
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093
Dielectric Strength	24.0 kV/mm	610 kV/in	IEC 60250

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