

Polyram RamLloy PBB503 PC/ABS Alloy, Flame Retardant and Heat Stabilized

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

Material Notes:

Flame retardant and heat stabilized PC/ABS alloy for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PBB503-PCABS-Alloy-Flame-Retardant-and-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ISO 1183
Water Absorption at Saturation	0.20 %	0.20 %	ISO 62
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ISO 2577
Melt Flow	25 g/10 min @Load 5.00 kg, Temperature 240 °C	25 g/10 min @Load 11.0 lb, Temperature 464 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527
Elongation at Break	55 %	55 %	ISO 527
Tensile Modulus	2.70 GPa	392 ksi	ISO 527
Flexural Strength	90.0 MPa	13100 psi	ISO 178
Flexural Modulus	2.50 GPa	363 ksi	ISO 178
Izod Impact, Notched (ISO)	50.0 kJ/m ²	23.8 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ISO 75
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
Glow Wire Test	960 °C	1760 °F	GWFI; IEC 60695

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093

Electrical Properties

Metric [70.51V/mm](#)

[English](#) [70.51V/in](#)

[Comments](#)

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