

Polyram RamLloy PN300G2 PPE/PS Alloy, 10% Glass Fiber

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene + Polyphenylene Ether, Glass Filler

Material Notes:

PPE/PS alloy, 10% glass fiber reinforced for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PN300G2-PPEPS-Alloy-10-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.060 %	0.060 %	50% RH; ISO 62
Water Absorption at Saturation	0.20 %	0.20 %	ISO 62
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ISO 2577
Melt Flow	13 g/10 min @Load 10.0 kg, Temperature 280 °C	13 g/10 min @Load 22.0 lb, Temperature 536 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ISO 527
Elongation at Break	5.0 %	5.0 %	ISO 527
Tensile Modulus	3.80 GPa	551 ksi	ISO 527
Flexural Strength	80.0 MPa	11600 psi	ISO 178
Flexural Modulus	3.00 GPa	435 ksi	ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	115 °C	239 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093

Electrical Properties	Metric <small>7.00e+15 ohm</small>	English <small>7.00e+15 ohm</small>	Comments
Dielectric Strength	18.0 kV/mm	457 kV/in	IEC 60250

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