

Polyram RamLloy PN300G6 PPE/PS Alloy, 30% Glass Fiber

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

Material Notes:

PPE/PS alloy, 30% 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-PN300G6-PPEPS-Alloy-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.0060 %	0.0060 %	50% RH; ISO 62
Water Absorption at Saturation	0.20 %	0.20 %	ISO 62
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ISO 2577
Melt Flow	5.0 g/10 min @Load 10.0 kg, Temperature 280 °C	5.0 g/10 min @Load 22.0 lb, Temperature 536 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	90.0 MPa	13100 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	7.90 GPa	1150 ksi	ISO 527
Flexural Strength	130 MPa	18900 psi	ISO 178
Flexural Modulus	7.30 GPa	1060 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
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
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	IEC 60093
Dielectric Strength	18.0 kV/mm	457 kV/in	IEC 60250

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