

Polyram RamLloy PFS302G14 ASA/PBT Alloy, 14% Glass Fiber

Category : Polymer , Thermoplastic , ASA Polymer , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + ASA Blend, Glass Fiber Reinforced

Material Notes:

14% Glass fiber reinforced ASA/PBT alloy for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PFS302G14-ASAPBT-Alloy-14-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	ISO 2577
Melt Flow	15 g/10 min	15 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 275 °C	@Load 4.76 lb, Temperature 527 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 MPa	10900 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	4.80 GPa	696 ksi	ISO 527
Flexural Strength	190 MPa	27600 psi	ISO 178
Flexural Modulus	4.10 GPa	595 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
Melting Point	220 °C	428 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	205 °C	401 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	165 °C	329 °F	ISO 75
Flammability, UL94	HB	HB	ISO 75
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.7	3.7	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Electrical Properties	Metric	English	Comments
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