

Polyram RamLloy PB917G6 Nylon 6/Polypropylene Alloy, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Polypropylene (PP)

Material Notes:

30% Glass fiber reinforced Nylon6/PP alloy with reduced water absorption, dimensional stability and UV stabilized, for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PB917G6-Nylon-6Polypropylene-Alloy-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.2 %	1.2 %	50% RH; ISO 62
Water Absorption at Saturation	3.0 %	3.0 %	ISO 62
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	145 MPa	21000 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	5.90 GPa	856 ksi	ISO 527
Flexural Strength	195 MPa	28300 psi	ISO 178
Flexural Modulus	5.60 GPa	812 ksi	ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	218 °C	424 °F	ISO 11357
Maximum Service Temperature, Air	110 °C	230 °F	Continuous use
	200 °C	392 °F	Short peaks operation
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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