

Polyram RamLloy A300NT Nylon 66/Polypropylene Alloy, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Polypropylene (PP)

Material Notes:

Nylon 66/PP 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-A300NT-Nylon-66Polypropylene-Alloy-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Water Absorption at Saturation	1.9 %	1.9 %	ISO 62
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	170 MPa	24700 psi	ISO 527
Elongation at Break	3.5 %	3.5 %	ISO 527
Tensile Modulus	8.60 GPa	1250 ksi	ISO 527
Flexural Strength	240 MPa	34800 psi	ISO 178
Flexural Modulus	7.10 GPa	1030 ksi	ISO 178
Izod Impact, Notched (ISO)	13.5 kJ/m ²	6.42 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	255 °C	491 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	245 °C	473 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	225 °C	437 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093
Dielectric Constant	4.0	4.0	IEC 60250

Dielectric Strength Electrical Properties	35.0 kV/mm Metric	889 kV/in English	IEC 60250 Comments
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