

Polyram Polytron A60N01 Nylon 6.6, 60% Long Fiber Glass

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 60% Glass Fiber Filled

Material Notes:

60% Long fiber glass reinforced natural Nylon 6.6, heat stabilized, for injection molding. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-Polytron-A60N01-Nylon-66-60-Long-Fiber-Glass.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.0 %	1.0 %	50% RH; ISO 62
Water Absorption at Saturation	3.4 %	3.4 %	ISO 62
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	250 MPa	36300 psi	ISO 527
Elongation at Break	1.2 %	1.2 %	ISO 527
Tensile Modulus	23.0 GPa	3340 ksi	ISO 527
Flexural Strength	400 MPa	58000 psi	ISO 178
Flexural Modulus	20.0 GPa	2900 ksi	ISO 178
Izod Impact, Notched (ISO)	30.0 kJ/m ²	14.3 ft-lb/in ²	ISO 180
Charpy Impact Unnotched	15.0 J/cm ²	71.4 ft-lb/in ²	ISO 179
Charpy Impact, Notched	3.00 J/cm ²	14.3 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	253 °C	487 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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