

Lucent Polymers L6-140 Nylon 6, 15% Glass Fiber and 25% Mineral Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled , Nylon 6 , 30% Mineral Filled

Material Notes:

Add "H" for Heat Stabilized Add "HU" for Weatherable
Typical Properties, Dry as Molded
Information provided by Lucent Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucent-Polymers-L6-140-Nylon-6-15-Glass-Fiber-and-25-Mineral-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Thickness 3.17 mm	0.0040 in/in @Thickness 0.125 in	1/8" Section

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	ASTM D638
Elongation at Break	>= 1.0 %	>= 1.0 %	ASTM D638
Flexural Strength	151.72 MPa	22005 psi	ASTM D790
Flexural Modulus	6.2069 GPa	900.24 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	0.800 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	210 - 225 Â°C	410 - 437 Â°F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	194.44 Â°C	381.99 Â°F	ASTM D648

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