

Ashley Polymers Ashlene® 830L-33G Nylon 6, 33% Glass Reinforced

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

Material Notes:

A 33% glass fiber reinforced Nylon 6 designed to provide a high flexural modulus and good dimensional stability while maintaining the ease of processing associated with Nylon 6 type materials. Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-830L-33G-Nylon-6-33-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ASTM D792
Water Absorption	1.1 %	1.1 %	ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	179 MPa	26000 psi	ATSM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Strength	235 MPa	34100 psi	ASTM D790
Flexural Modulus	9.30 GPa	1350 ksi	ASTM D790
Izod Impact, Notched	1.12 J/cm	2.10 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	216 °C	421 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	216 °C	421 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	216 °C	421 °F	ASTM D648

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