

Ashley Polymers Ashlene® 830L-25G Nylon 6, 25% Glass Reinforced

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

Material Notes:

A 25% 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 material. Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-830L-25G-Nylon-6-25-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ASTM D792
Water Absorption	1.1 %	1.1 %	ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Yield	159 MPa	23100 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Flexural Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	7.60 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	0.960 J/cm	1.80 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)	213 °C	415 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	208 °C	406 °F	ASTM D648

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