

Ashley Polymers Ashlene® 630-13G Nylon 6, 13% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 10% Glass Fiber Filled

Material Notes:

A 13% 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-630-13G-Nylon-6-13-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ASTM D792
Water Absorption	1.4 %	1.4 %	24 hrs; ASTM D570
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Ultimate	117 MPa	17000 psi	ATSM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Modulus	4.90 GPa	711 ksi	ASTM D790
Izod Impact, Notched	0.590 J/cm	1.11 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)	196 °C	385 °F	ASTM D648

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