

Ashley Polymers Ashlene® 980LS-40G Nylon 612, 40% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 612 , Nylon 612, Glass Fiber Filler

Material Notes:

A 40% glass reinforced, heat stabilized Nylon 612 resin.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-980LS-40G-Nylon-612-40-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ASTM D792
Water Absorption	0.14 %	0.14 %	24 hrs; ASTM D570
Water Absorption at Saturation	2.0 %	2.0 %	ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength, Yield	179 MPa	26000 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Modulus	9.70 GPa	1410 ksi	ASTM D790
Izod Impact, Notched	1.34 J/cm	2.51 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	212 °C	414 °F	ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	211 °C	412 °F	ASTM D648

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