

Ashley Polymers Ashlene® 980LS-33G Nylon 612, 33% Glass Reinforced

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

Material Notes:

A 33% 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-33G-Nylon-612-33-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ASTM D792
Water Absorption	0.17 %	0.17 %	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	164 MPa	23800 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Modulus	8.30 GPa	1200 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm	2.40 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

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Constant	3.4	3.4	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	19.3 kV/mm	490 kV/in	ASTM D149
Dissipation Factor	0.020	0.020	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

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