

Ashley Polymers Ashlene® 990L Nylon 610

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

A general purpose, medium viscosity grade for injection molding and extrusion.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-990L-Nylon-610.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D792
Water Absorption	0.40 %	0.40 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Ultimate	66.0 MPa	9570 psi	ATSM D638
Elongation at Break	70 %	70 %	ASTM D638
Flexural Modulus	1.90 GPa	276 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 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)	174 °C	345 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Constant	3.3 @Frequency 1e+6 Hz	3.3 @Frequency 1e+6 Hz	ASTM D150

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