

Ashley Polymers Ashlene® 982 Nylon 612

Category : Polymer , Thermoplastic , Nylon , Nylon 612 , Nylon 612, Unreinforced

Material Notes:

General purpose for extrusion. These resins are notes for their low moisture absorption and excellent dimensional stability. Bristle grade, high viscosity.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-982-Nylon-612.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792
Water Absorption	0.37 %	0.37 %	24 hrs; ASTM D570
Water Absorption at Saturation	2.8 %	2.8 %	ASTM D570
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	46.0 MPa	6670 psi	ASTM D638
Elongation at Break	250 %	250 %	ASTM D638
Flexural Modulus	2.30 GPa	334 ksi	ASTM D790
Izod Impact, Notched	0.640 J/cm	1.20 ft-lb/in	ASTM D256
	0.500 J/cm @Temperature -40.0 °C	0.937 ft-lb/in @Temperature -40.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 µm/m-°C @Temperature 20.0 °C	27.8 µin/in-°F @Temperature 68.0 °F	ASTM D696
Melting Point	219 °C	426 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	155 °C	311 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648

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