

Ashley Polymers Ashlene® L930 Nylon 12

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

A plasticized Nylon 12 offering improved flexibility with superior moisture and chemical resistance. The natural color is slightly darker. Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-L930-Nylon-12.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hrs; ASTM D570
Water Absorption at Saturation	1.1 %	1.1 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	68	68	ASTM D785
Tensile Strength, Yield	48.0 MPa	6960 psi	ASTM D638
Elongation at Break	275 %	275 %	ASTM D638
Flexural Modulus	0.400 GPa	58.0 ksi	ASTM D790
Izod Impact, Notched	2.19 J/cm	4.10 ft-lb/in	ASTM D256
	0.210 J/cm @Temperature -40.0 °C	0.393 ft-lb/in @Temperature -40.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	184 °C	363 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	52.0 °C	126 °F	ASTM D648

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