

Ashley Polymers Ashlene® D925 Nylon 12

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

A flexible Nylon 12 with exceptional toughness, excellent abrasion and chemical resistance, outstanding low temperature performance, dimensional stability and low moisture absorption. Also available with UV stabilizer, designated D925H. Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-D925-Nylon-12.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hrs; ASTM D570
Water Absorption at Saturation	1.4 %	1.4 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	57.0 MPa	8270 psi	ASTM D638
Elongation at Break	395 %	395 %	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256
	1.10 J/cm	2.06 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	184 °C	363 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	135 °C	275 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	52.0 °C	126 °F	ASTM D648

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