

## Ashley Polymers Ashlene® D870, D870L, Transparent Amorphous Nylon

Category : Polymer , Thermoplastic , Nylon , Nylon, Amorphous Transparent Alloy

**Material Notes:**

D870 = Transparent Amorphous Nylon for Injection Molding, Unlubricated. D870L = Transparent Amorphous Nylon for Injection Molding, Lubricated. Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ashley-Polymers-Ashlene-D870-D870L-Transparent-Amorphous-Nylon.php](http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-D870-D870L-Transparent-Amorphous-Nylon.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	97.0 MPa	14100 psi	ASTM D638
Elongation at Break	150 %	150 %	
Flexural Modulus	3.20 GPa	464 ksi	ASTM D790
Izod Impact, Notched	0.720 J/cm	1.35 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	119 °C	246 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	109 °C	228 °F	ASTM D648

Optical Properties	Metric	English	Comments
Refractive Index	1.58	1.58	ASTM D542
Transmission, Visible	85 %	85 %	ASTM D1003

Processing Properties	Metric	English	Comments
Processing Temperature	275 - 315 °C	527 - 599 °F	

### Contact Songhan Plastic Technology Co.,Ltd.

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