

## Ashley Polymers Ashlene® 736LD Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

**Material Notes:**

Modified to retain toughness at low temperatures for injection molding.Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ashley-Polymers-Ashlene-736LD-Nylon-6.php](http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-736LD-Nylon-6.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.5 %	1.5 %	24 hrs; ASTM D570
Moisture Absorption at Equilibrium	2.5 %	2.5 %	ASTM D570
Water Absorption at Saturation	8.5 %	8.5 %	ASTM D570
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	86	86	ASTM D785
Tensile Strength, Ultimate	66.0 MPa	9570 psi	ATSM D638
Elongation at Break	150 %	150 %	ASTM D638
Flexural Strength	83.0 MPa	12000 psi	ASTM D790
Flexural Modulus	2.20 GPa	319 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 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)	166 °C	331 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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