

## Ashley Polymers Ashlene® 630BU Nylon 6

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

**Material Notes:**

Black utility grade Nylon 6 for injection molding.Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ashley-Polymers-Ashlene-630BU-Nylon-6.php](http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-630BU-Nylon-6.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.6 %	1.6 %	24 hrs; ASTM D570
Moisture Absorption at Equilibrium	2.8 %	2.8 %	50% RH; ASTM D570
Water Absorption at Saturation	9.6 %	9.6 %	ASTM D570
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Ultimate	69.0 MPa	10000 psi	ATSM D638
Elongation at Break	60 %	60 %	ASTM D638
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	193 °C	379 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	177 °C	351 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	56.0 °C	133 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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