

## Ashley Polymers Ashlene® 831 Nylon 6

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

**Material Notes:**

General purpose extrusion grade for wire jacketing, tubing, rods, slabs and centrifugal casting. ASHLENE 831 meets FDA requirements and is therefore also suitable for film extrusion and co-extrusion applications. Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ashley-Polymers-Ashlene-831-Nylon-6.php](http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-831-Nylon-6.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.9 %	1.9 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Ultimate	100 MPa	14500 psi	ATSM D638
Elongation at Yield	70 %	70 %	ASTM D638
Flexural Modulus	2.80 GPa	406 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 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	221 °C	430 °F	ASTM D3418

Electrical Properties	Metric	English	Comments
Electrical Resistivity	7.90e+14 ohm-cm	7.90e+14 ohm-cm	ASTM D257
Dielectric Constant	4.7 @Frequency 1e+6 Hz	4.7 @Frequency 1e+6 Hz	ASTM D150

## Contact Songhan Plastic Technology Co.,Ltd.

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