

## Ashley Polymers Ashlene® N541 Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Extruded

**Material Notes:**

A general purpose high viscosity extrusion grade Nylon 66 with very good natural color.Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ashley-Polymers-Ashlene-N541-Nylon-66.php](http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-N541-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.2 %	1.2 %	24 hrs; ASTM D570
Water Absorption at Saturation	8.5 %	8.5 %	ASTM D570
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	83.0 MPa	12000 psi	ASTM D638
Elongation at Break	55 %	55 %	ASTM D638
Flexural Strength	116 MPa	16800 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched	0.600 J/cm	1.12 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	254 °C	489 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	99.0 °C	210 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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