

## Ashley Polymers Ashlene® R528LW Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Unreinforced, Flame Retardant

### Material Notes:

General purpose injection molding grade Nylon 66, lubricated and FDA approved. Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ashley-Polymers-Ashlene-R528LW-Nylon-66.php](http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-R528LW-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.35 %	1.35 %	24 hrs; ASTM D570
Moisture Absorption at Equilibrium	2.2 %	2.2 %	ASTM D570
Water Absorption at Saturation	8.6 %	8.6 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	104	104	ASTM D785
Tensile Strength, Yield	61.0 MPa	8850 psi	ASTM D638
Tensile Modulus	1.435 GPa	208.1 ksi	ASTM D638
Flexural Strength	51.0 MPa	7400 psi	ASTM D790
Flexural Modulus	2.80 GPa	406 ksi	ASTM D790
Izod Impact, Notched	0.640 J/cm	1.20 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	255 °C	491 °F	ASTM D3418
Maximum Service Temperature, Air	80.0 °C	176 °F	Continuous Service temperature.
Deflection Temperature at 0.46 MPa (66 psi)	200 °C	392 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	82.0 °C	180 °F	ASTM D648
Flammability, UL94	V-2	V-2	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
	3.2	3.2	

## Contact Songhan Plastic Technology Co.,Ltd.

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