

## Adell AL-18 Nylon 66, 40% Glass Reinforced; Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass/Mineral Filled

**Material Notes:**

Data provided by Adell Plastics, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Adell-AL-18-Nylon-66-40-Glass-Reinforced-Mineral-Filled.php](http://www.lookpolymers.com/polymer_Adell-AL-18-Nylon-66-40-Glass-Reinforced-Mineral-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.60 %	0.60 %	24 hour immersion; ASTM D570
Linear Mold Shrinkage	0.0055 cm/cm	0.0055 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	98	98	ASTM D785
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Ultimate	138 MPa	20000 psi	ASTM D638
Elongation at Break	2.5 %	2.5 %	ASTM D638
Flexural Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	7.60 GPa	1100 ksi	ASTM D790
Compressive Yield Strength	255 MPa	37000 psi	ASTM D695
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	263 °C	505 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	249 °C	480 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	246 °C	475 °F	ASTM D648
Flammability, UL94	HB	HB	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**