

## Adell AR-33 Nylon 66, 15% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

**Material Notes:**

Data provided by Adell Plastics, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Adell-AR-33-Nylon-66-15-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Adell-AR-33-Nylon-66-15-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.0 %	1.0 %	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	95	95	ASTM D785
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	107 MPa	15500 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	172 MPa	24900 psi	ASTM D790
Flexural Modulus	4.80 GPa	696 ksi	ASTM D790
Compressive Yield Strength	179 MPa	26000 psi	ASTM D695
Izod Impact, Notched	0.500 J/cm	0.937 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)	238 °C	460 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	227 °C	441 °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