

## Adell ER-34 Homopolymer Polypropylene, 20% Glass Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Glass Fiber Filler

**Material Notes:**

Data provided by Adell Plastics, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Adell-ER-34-Homopolymer-Polypropylene-20-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Adell-ER-34-Homopolymer-Polypropylene-20-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.035 g/cc	0.03739 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.050 %	0.050 %	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	58	58	ASTM D785
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Ultimate	72.4 MPa	10500 psi	ASTM D638
Elongation at Break	2.5 %	2.5 %	ASTM D638
Flexural Strength	86.02 MPa	12480 psi	ASTM D790
Flexural Modulus	4.30 GPa	624 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.20 J/cm	5.99 ft-lb/in	ASTM D256
Gardner Impact	0.500 J	0.369 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Melting Point	182 °C	360 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	149 °C	300 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °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