

## Adell EA-14 Homopolymer Polypropylene, 20% Talc Filled

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

**Material Notes:**

Data provided by Adell Plastics, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Adell-EA-14-Homopolymer-Polypropylene-20-Talc-Filled.php](http://www.lookpolymers.com/polymer_Adell-EA-14-Homopolymer-Polypropylene-20-Talc-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.030 %	0.030 %	24 hour immersion; ASTM D570
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	68	68	ASTM D785
Hardness, Rockwell R	98	98	ASTM D785
Tensile Strength, Ultimate	35.2 MPa	5110 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Flexural Strength	46.9 MPa	6800 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.30 J/cm	6.18 ft-lb/in	ASTM D256
Gardner Impact	0.700 J	0.516 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)	118 °C	244 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	74.0 °C	165 °F	ASTM D648
Flammability, UL94	HB	HB	

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