

## Adell RA-14 Copolymer 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-RA-14-Copolymer-Polypropylene-20-Talc-Filled.php](http://www.lookpolymers.com/polymer_Adell-RA-14-Copolymer-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	0.020 %	0.020 %	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	48	48	ASTM D785
Hardness, Rockwell R	74	74	ASTM D785
Tensile Strength, Ultimate	28.3 MPa	4100 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Strength	37.9 MPa	5500 psi	ASTM D790
Flexural Modulus	1.70 GPa	247 ksi	ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.30 J/cm	8.06 ft-lb/in	ASTM D256
Gardner Impact	3.40 J	2.51 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	113 °C	235 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648
Flammability, UL94	HB	HB	

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