

## Adell EQ-14 Homopolymer Polypropylene, 20% Mica Filled

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

**Material Notes:**

Data provided by Adell Plastics, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Adell-EQ-14-Homopolymer-Polypropylene-20-Mica-Filled.php](http://www.lookpolymers.com/polymer_Adell-EQ-14-Homopolymer-Polypropylene-20-Mica-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	0.0080 cm/cm	0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	62	62	ASTM D785
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Ultimate	35.2 MPa	5110 psi	ASTM D638
Elongation at Break	6.0 %	6.0 %	ASTM D638
Flexural Strength	50.3 MPa	7300 psi	ASTM D790
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.70 J/cm	5.06 ft-lb/in	ASTM D256
Gardner Impact	0.600 J	0.443 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)	127 °C	261 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	79.0 °C	174 °F	ASTM D648
Flammability, UL94	HB	HB	

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