

## Adell EZ-18 Homopolymer Polypropylene, 40% Calcium Carbonate Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Calcium Carbonate (CaCO3) Filler

**Material Notes:**

Data provided by Adell Plastics, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Adell-EZ-18-Homopolymer-Polypropylene-40-Calcium-Carbonate-Filled.php](http://www.lookpolymers.com/polymer_Adell-EZ-18-Homopolymer-Polypropylene-40-Calcium-Carbonate-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.040 %	0.040 %	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	54	54	ASTM D785
Hardness, Rockwell R	85	85	ASTM D785
Tensile Strength, Ultimate	23.4 MPa	3390 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Strength	37.2 MPa	5400 psi	ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.30 J/cm	8.06 ft-lb/in	ASTM D256
Gardner Impact	1.70 J	1.25 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)	111 °C	232 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ASTM D648
Flammability, UL94	HB	HB	

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