

Adell EZ- 14 Homopolymer Polypropylene, 20% Calcium Carbonate Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% 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-14-Homopolymer-Polypropylene-20-Calcium-Carbonate-Filled.php

Physical Properties	Metric	English	Comments
Density	1.045 g/cc	0.03775 lb/in ³	ASTM D792
Water Absorption	0.030 %	0.030 %	24 hour immersion; ASTM D570
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	50	50	ASTM D785
Hardness, Rockwell R	78	78	ASTM D785
Tensile Strength, Ultimate	29.0 MPa	4210 psi	ASTM D638
Elongation at Break	80 %	80 %	ASTM D638
Flexural Strength	34.5 MPa	5000 psi	ASTM D790
Flexural Modulus	1.70 GPa	247 ksi	ASTM D790
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.10 J/cm	11.4 ft-lb/in	ASTM D256
Gardner Impact	3.40 J	2.51 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)	99.0 °C	210 °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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