

Adell EA-16 Homopolymer Polypropylene, 30% Talc Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Talc Filler

Material Notes:

Data provided by Adell Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-EA-16-Homopolymer-Polypropylene-30-Talc-Filled.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792
Water Absorption	0.040 %	0.040 %	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	69	69	ASTM D785
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Ultimate	33.1 MPa	4800 psi	ASTM D638
Elongation at Break	16 %	16 %	ASTM D638
Flexural Strength	48.3 MPa	7010 psi	ASTM D790
Flexural Modulus	3.00 GPa	435 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.10 J/cm	5.81 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)	124 °C	255 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	77.0 °C	171 °F	ASTM D648
Flammability, UL94	HB	HB	

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