

Adell RA-16 Copolymer 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-RA-16-Copolymer-Polypropylene-30-Talc-Filled.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792
Water Absorption	0.030 %	0.030 %	24 hour immersion; ASTM D570
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	49	49	ASTM D785
Hardness, Rockwell R	76	76	ASTM D785
Tensile Strength, Ultimate	26.9 MPa	3900 psi	ASTM D638
Elongation at Break	15 %	15 %	ASTM D638
Flexural Strength	37.2 MPa	5400 psi	ASTM D790
Flexural Modulus	1.90 GPa	276 ksi	ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.70 J/cm	6.93 ft-lb/in	ASTM D256
Gardner Impact	2.30 J	1.70 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)	121 °C	250 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	66.0 °C	151 °F	ASTM D648
Flammability, UL94	HB	HB	

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