

Adell RA-18 Copolymer Polypropylene, 40% Talc Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Talc Filler

Material Notes:

Data provided by Adell Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-RA-18-Copolymer-Polypropylene-40-Talc-Filled.php

Physical Properties	Metric	English	Comments
Density	1.235 g/cc	0.04462 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	50	50	ASTM D785
Hardness, Rockwell R	79	79	ASTM D785
Tensile Strength, Ultimate	25.5 MPa	3700 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Strength	35.9 MPa	5210 psi	ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.90 J/cm	5.43 ft-lb/in	ASTM D256
Gardner Impact	1.10 J	0.811 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)	132 °C	270 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	71.0 °C	160 °F	ASTM D648
Flammability, UL94	HB	HB	

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