

Adell RQ-16 Copolymer Polypropylene, 30% Mica Reinforced

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

Material Notes:

Data provided by Adell Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-RQ-16-Copolymer-Polypropylene-30-Mica-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.135 g/cc	0.04100 lb/in ³	ASTM D792
Water Absorption	0.030 %	0.030 %	24 hour immersion; ASTM D570
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	66	66	ASTM D785
Hardness, Rockwell R	94	94	ASTM D785
Tensile Strength, Ultimate	28.3 MPa	4100 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	46.2 MPa	6700 psi	ASTM D790
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	0.600 J/cm	1.12 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.70 J/cm	5.06 ft-lb/in	ASTM D256
Gardner Impact	1.40 J	1.03 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)	133 °C	271 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C	199 °F	ASTM D648
Flammability, UL94	HB	HB	

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