

Adell RQ- 18 Copolymer Polypropylene, 40% Mica Reinforced

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

Material Notes:

Data provided by Adell Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-RQ-18-Copolymer-Polypropylene-40-Mica-Reinforced.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	0.0060 cm/cm	0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	70	70	ASTM D785
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Ultimate	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	48.3 MPa	7010 psi	ASTM D790
Flexural Modulus	4.80 GPa	696 ksi	ASTM D790
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.10 J/cm	3.93 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)	141 °C	286 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	ASTM D648
Flammability, UL94	HB	HB	

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