

Adell EQ-16 Homopolymer Polypropylene, 30% Mica Filled

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-EQ-16-Homopolymer-Polypropylene-30-Mica-Filled.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	68	68	ASTM D785
Hardness, Rockwell R	98	98	ASTM D785
Tensile Strength, Ultimate	33.8 MPa	4900 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	51.7 MPa	7500 psi	ASTM D790
Flexural Modulus	4.00 GPa	580 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.40 J/cm	4.50 ft-lb/in	ASTM D256
Gardner Impact	0.500 J	0.369 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)	132 °C	270 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	ASTM D648
Flammability, UL94	HB	HB	

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