

Adell RZ-18 Copolymer Polypropylene, 40% Calcium Carbonate Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Calcium Carbonate (CaCO3) Filler

Material Notes:

Data provided by Adell Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-RZ-18-Copolymer-Polypropylene-40-Calcium-Carbonate-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	0.010 cm/cm	0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	49	49	ASTM D785
Hardness, Rockwell R	71	71	ASTM D785
Tensile Strength, Ultimate	19.3 MPa	2800 psi	ASTM D638
Elongation at Break	80 %	80 %	ASTM D638
Flexural Strength	31.7 MPa	4600 psi	ASTM D790
Flexural Modulus	1.60 GPa	232 ksi	ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.40 J/cm	12.0 ft-lb/in	ASTM D256
Gardner Impact	9.00 J	6.64 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)	93.0 °C	199 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648
Flammability, UL94	HB	HB	

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