

Adell RR-19 Polypropylene Copolymer; 43% Glass Reinforced, High Impact

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Glass Reinforced, Impact Modified

Material Notes:

Data provided by Adell Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-RR-19-Polypropylene-Copolymer-43-Glass-Reinforced-High-Impact.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	63.0 MPa	9140 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Strength	105 MPa	15200 psi	ASTM D790
Flexural Modulus	6.90 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256
	1.30 J/cm	2.44 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Izod Impact, Unnotched	5.30 J/cm	9.93 ft-lb/in	ASTM D256
	4.80 J/cm	8.99 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Gardner Impact	1.10 J	0.811 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	150 °C	302 °F	ASTM D648

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