

Adell PP RZ-18

Polypropylene Copolymer

Adell Plastics, Inc.

Message:

Adell PP RZ-18 is a Polypropylene Copolymer (PP Copolymer) material filled with 40% calcium carbonate. It is available in North America.

Important attributes of Adell PP RZ-18 are:

Flame Rated

Copolymer

General Information			
Filler / Reinforcement	Calcium Carbonate,40% Filler by Weight		
Features	Copolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23 to 1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.2	%	ASTM D955
Water Absorption (24 hr)	0.040	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	49		
R-Scale	71		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	19.3	MPa	ASTM D638
Tensile Elongation (Break)	80	%	ASTM D638
Flexural Modulus	1590	MPa	ASTM D790
Flexural Strength	31.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	48	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	640	J/m	ASTM D256
Gardner Impact	9.04	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	93.3	°C	
1.8 MPa, Unannealed	60.0	°C	
Melting Temperature	149 to 171	°C	ASTM D789
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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