

Adell PP RA-18

Polypropylene Copolymer

Adell Plastics, Inc.

Message:

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

Important attributes of Adell PP RA-18 are:

Flame Rated

Copolymer

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Features	Copolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22 to 1.24	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 1.0	%	ASTM D955
Water Absorption (24 hr)	0.040	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	50		
R-Scale	79		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	25.5	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength	37.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	37	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	290	J/m	ASTM D256
Gardner Impact	1.13	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	132	°C	
1.8 MPa, Unannealed	71.1	°C	
Melting Temperature	149 to 171	°C	ASTM D789
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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