

Adell PP RQ-16

Polypropylene Copolymer

Adell Plastics, Inc.

Message:

Adell PP RQ-16 is a Polypropylene Copolymer (PP Copolymer) material filled with 30% mica. It is available in North America.

Important attributes of Adell PP RQ-16 are:

Flame Rated

Copolymer

General Information			
Filler / Reinforcement	Mica,30% Filler by Weight		
Features	Copolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12 to 1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.90	%	ASTM D955
Water Absorption (24 hr)	0.030	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	66		
R-Scale	94		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	28.3	MPa	ASTM D638
Tensile Elongation (Break)	4.0 to 6.0	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	46.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	64	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	270	J/m	ASTM D256
Gardner Impact	1.36	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	85.0	°C	
Melting Temperature	149 to 171	°C	ASTM D789
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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