

Adell PP EZ-14

Polypropylene Homopolymer

Adell Plastics, Inc.

Message:

Adell PP EZ-14 is a Polypropylene Homopolymer (PP Homopolymer) material filled with 20% calcium carbonate. It is available in North America.

Important attributes of Adell PP EZ-14 are:

Flame Rated

Homopolymer

General Information			
Filler / Reinforcement	Calcium Carbonate,20% Filler by Weight		
Features	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03 to 1.05	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2 to 1.6	%	ASTM D955
Water Absorption (24 hr)	0.030	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	50		
R-Scale	78		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	29.0	MPa	ASTM D638
Tensile Elongation (Break)	80	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	34.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	40	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	610	J/m	ASTM D256
Gardner Impact	3.39	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	98.9	°C	
1.8 MPa, Unannealed	60.0	°C	
Melting Temperature	171 to 193	°C	ASTM D789
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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