

Adell PP EQ-18

Polypropylene Homopolymer

Adell Plastics, Inc.

Message:

Adell PP EQ-18 is a Polypropylene Homopolymer (PP Homopolymer) material filled with 40% mica. It is available in North America. Primary attribute of Adell PP EQ-18: Homopolymer.

General Information			
Filler / Reinforcement	Mica,40% Filler by Weight		
Features	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23 to 1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.80	%	ASTM D955
Water Absorption (24 hr)	0.40 to 0.80	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	ASTM D785		
M-Scale	72		
R-Scale	104		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	32.4	MPa	ASTM D638
Tensile Elongation (Break)	2.0 to 4.0	%	ASTM D638
Flexural Modulus	5170	MPa	ASTM D790
Flexural Strength	53.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	27	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	2100	J/m	ASTM D256
Gardner Impact	0.339	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load	ASTM D648		
0.45 MPa, Unannealed	141	°C	
1.8 MPa, Unannealed	110	°C	
Melting Temperature	171 to 193	°C	ASTM D789

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Recommended distributors for this material

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