

Adell PP EF-12

Polypropylene
Adell Plastics, Inc.

Message:
Adell PP EF-12 is a Polypropylene material. It is available in North America. Primary attribute of Adell PP EF-12: Flame Retardant.

General Information			
Features	Flame Retardant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.2	%	ASTM D955
Water Absorption (24 hr)	0.030	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	53		
R-Scale	83		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Tensile Elongation (Break)	80	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength (Yield)	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	32	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	400	J/m	ASTM D256
Gardner Impact	1.69	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	
CLTE - Flow	5.6E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	16	kV/mm	ASTM D149

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Recommended distributors for this material

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