

Adell PP RR-19

Polypropylene Copolymer

Adell Plastics, Inc.

Message:

Adell PP RR-19 is a Polypropylene Copolymer (PP Copolymer) material filled with 43% glass fiber. It is available in North America.

Important attributes of Adell PP RR-19 are:

Flame Rated

Copolymer

Impact Resistant

Typical application of Adell PP RR-19: Automotive

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Features	Copolymer		
	High Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.4	%	ASTM D955
Water Absorption (24 hr)	0.030	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	45		
R-Scale	66		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	63.4	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	105	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	160	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	530	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	159	°C	
1.8 MPa, Unannealed	150	°C	
Melting Temperature	149 to 171	°C	ASTM D789
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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