

Adell PP RQ-14

Polypropylene Copolymer

Adell Plastics, Inc.

Message:

Adell PP RQ-14 is a Polypropylene Copolymer (PP Copolymer) material filled with 20% mica. It is available in North America.

Important attributes of Adell PP RQ-14 are:

Flame Rated

Copolymer

General Information			
Filler / Reinforcement	Mica,20% Filler by Weight		
Features	Copolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03 to 1.05	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 1.0	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	60		
R-Scale	85		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	31.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0 to 9.0	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	320	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	124	°C	
1.8 MPa, Unannealed	71.1	°C	
Melting Temperature	149 to 171	°C	ASTM D789
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

