

# Adell PP ER-14

Polypropylene Homopolymer

Adell Plastics, Inc.

## Message:

Adell PP ER-14 is a Polypropylene Homopolymer (PP Homopolymer) material filled with 20% glass fiber. It is available in North America.

Important attributes of Adell PP ER-14 are:

Flame Rated

Homopolymer

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02 to 1.05	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	58		
R-Scale	110		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	72.4	MPa	ASTM D638
Tensile Elongation (Break)	2.0 to 3.0	%	ASTM D638
Flexural Modulus	4340	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	75	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	320	J/m	ASTM D256
Gardner Impact	0.452	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	149	°C	
1.8 MPa, Unannealed	145	°C	
Melting Temperature	171 to 193	°C	ASTM D789
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

