

# Adell Polyamide AJ-14

Polyamide 66

Adell Plastics, Inc.

## Message:

Adell Polyamide AJ-14 is a Polyamide 66 (Nylon 66) material filled with 20% glass fiber. It is available in North America.

Important attributes of Adell Polyamide AJ-14 are:

Flame Rated

Impact Resistant

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	High Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23 to 1.25	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	85		
R-Scale	119		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	110	MPa	ASTM D638
Tensile Elongation (Break)	3.0 to 4.0	%	ASTM D638
Flexural Modulus	5520	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Compressive Strength	138	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	249	°C	
1.8 MPa, Unannealed	238	°C	
Melting Temperature	249 to 260	°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

