

Adell Polyamide AB-14

Polyamide 66

Adell Plastics, Inc.

Message:

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

General Information			
Filler / Reinforcement	Glass Bead,20% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.3	%	ASTM D955
Water Absorption (24 hr)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	95		
R-Scale	120		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	86.2	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	3960	MPa	ASTM D790
Flexural Strength (Yield)	103	MPa	ASTM D790
Compressive Strength	200	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	204	°C	
1.8 MPa, Unannealed	79.4	°C	
Melting Temperature	254 to 266	°C	

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Recommended distributors for this material

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