

Adell Polyamide BT-14

Polyamide 6

Adell Plastics, Inc.

Message:

Adell Polyamide BT-14 is a Polyamide 6 (Nylon 6) material filled with 20% glass fiber. It is available in North America.

Important attributes of Adell Polyamide BT-14 are:

Flame Rated

Impact Modified

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24 to 1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (24 hr)	0.80	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	82		
R-Scale	118		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	103	MPa	ASTM D638
Tensile Elongation (Break)	3.0 to 4.0	%	ASTM D638
Flexural Modulus	5170	MPa	ASTM D790
Flexural Strength	152	MPa	ASTM D790
Compressive Strength	117	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	130	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	196	°C	
Melting Temperature	210 to 221	°C	ASTM D789
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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