

# Adell Polyamide BW-37

Polyamide 6

Adell Plastics, Inc.

## Message:

Adell Polyamide BW-37 is a Polyamide 6 (Nylon 6) material filled with 33% glass fiber. It is available in North America.

Important attributes of Adell Polyamide BW-37 are:

Flame Rated

Good Aesthetics

Typical application of Adell Polyamide BW-37: Automotive

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Features	Good Surface Finish		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36 to 1.37	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Water Absorption (24 hr)	1.1	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	89		
R-Scale	120		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	152	MPa	ASTM D638
Tensile Elongation (Break)	3.0 to 4.0	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Compressive Strength	165	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	216	°C	
1.8 MPa, Unannealed	204	°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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