

# Adell Polyamide BL-18

Polyamide 6

Adell Plastics, Inc.

## Message:

Adell Polyamide BL-18 is a polyamide 6 (nylon 6) material that contains 40% glass \minerals. This product is available in North America.

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.70	%	ASTM D955
Water Absorption (24 hr)	0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
Class m	95		ASTM D785
Class r	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	137	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	186	MPa	ASTM D790
Compressive Strength	186	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	45	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	216	°C	ASTM D648
1.8 MPa, not annealed	204	°C	ASTM D648
Melting Temperature	216 - 227	°C	
Additional Information			
Elongation at Break, ASTM D638: 2 to 3%Specific Gravity, ASTM D792: 1.46 to 1.48			

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Recommended distributors for this material

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