

# Adell Polyamide BI-10

Polyamide 6

Adell Plastics, Inc.

## Message:

Adell Polyamide BI-10 is a polyamide 6 (nylon 6) material. This product is available in North America. The main characteristics of Adell Polyamide BI-10 are impact modification.  
The typical application field of Adell Polyamide BI-10 is: automobile industry

General Information			
Additive	Impact modifier		
Features	Impact modification		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.1 - 1.4	%	ASTM D955
Water Absorption (24 hr)	1.6	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
Class m	72		ASTM D785
Class r	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	55.2	MPa	ASTM D638
Tensile Elongation (Break)	90	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Compressive Strength	55.2	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	177	°C	ASTM D648
1.8 MPa, not annealed	60.0	°C	ASTM D648
Melting Temperature	210 - 221	°C	
Additional Information			

Specific Gravity, ASTM D792: 1.07 to 1.09

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Recommended distributors for this material

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