

## Adell BI-10 Nylon 6, Impact Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

**Material Notes:**

Data provided by Adell Plastics, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Adell-BI-10-Nylon-6-Impact-Modified.php](http://www.lookpolymers.com/polymer_Adell-BI-10-Nylon-6-Impact-Modified.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.6 %	1.6 %	24 hour immersion; ASTM D570
Linear Mold Shrinkage	0.0125 cm/cm	0.0125 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	75	75	ASTM D785
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Ultimate	55.2 MPa	8010 psi	ASTM D638
Elongation at Break	90 %	90 %	ASTM D638
Flexural Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	1.70 GPa	247 ksi	ASTM D790
Compressive Yield Strength	55.0 MPa	7980 psi	ASTM D695
Izod Impact, Notched	1.90 J/cm	3.56 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	216 °C	421 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	177 °C	351 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648
Flammability, UL94	HB	HB	

## Contact Songhan Plastic Technology Co.,Ltd.

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