

Adell Polyamide BD-10

Polyamide 6

Adell Plastics, Inc.

Message:

Adell Polyamide BD-10 is a polyamide 6 (nylon 6) material. This product is available in North America. The main characteristics of Adell Polyamide BD-10 are: impact resistance.

General Information			
Features	Ultra-high impact resistance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.1 - 1.4	%	ASTM D955
Water Absorption (24 hr)	1.5	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
Class m	70		ASTM D785
Class r	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	48.3	MPa	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus	1590	MPa	ASTM D790
Flexural Strength	67.6	MPa	ASTM D790
Compressive Strength	44.8	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	960	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	171	°C	ASTM D648
1.8 MPa, not annealed	53.3	°C	ASTM D648
Melting Temperature	204 - 216	°C	
Additional Information			
Specific Gravity, ASTM D792: 1.06 to 1.08			

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Recommended distributors for this material

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