

Adell Polyamide BT-33 General Purpose

Polyamide 6

Adell Plastics, Inc.

Message:

Adell Polyamide BT-33 General Purpose is a Polyamide 6 (Nylon 6) material. It is available in North America.

General Information			
Features	General Purpose		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12 to 1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.1 to 1.4	%	ASTM D955
Water Absorption (24 hr)	1.8	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	78		
R-Scale	118		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	75.8	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Compressive Strength	62.0	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	182	°C	
1.8 MPa, Unannealed	64.0	°C	
Melting Temperature	216 to 227	°C	ASTM D789

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Recommended distributors for this material

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