

Adell Polyamide BJ-33

Polyamide 6

Adell Plastics, Inc.

Message:

Adell Polyamide BJ-33 is a Polyamide 6 (Nylon 6) material filled with 13% glass fiber. It is available in North America. Primary attribute of Adell Polyamide BJ-33: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,13% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47 to 1.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.2	%	ASTM D955
Water Absorption (24 hr)	0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	76		
R-Scale	112		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	86.2	MPa	ASTM D638
Tensile Elongation (Break)	10 to 15	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	108	MPa	ASTM D790
Compressive Strength	103	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	150	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	143	°C	
Melting Temperature	216 to 227	°C	ASTM D789
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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Recommended distributors for this material

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