

# Adell Polyamide BJ-33 Glass Reinforced High Impact

Polyamide 6

Adell Plastics, Inc.

Message:

Adell Polyamide BJ-33 Glass Reinforced High Impact is a Polyamide 6 (Nylon 6) material filled with glass fiber. It is available in North America. Primary attribute of Adell Polyamide BJ-33 Glass Reinforced High Impact: Impact Resistant.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	High Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16 to 1.18	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.60 to 0.90	%	ASTM D955
Water Absorption (24 hr)	0.90	%	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)	3.0 to 4.0	%	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	199	°C	
1.8 MPa, Unannealed	188	°C	
Melting Temperature	210 to 221	°C	ASTM D789

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Recommended distributors for this material

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