

Adell Polyamide BR-33

Polyamide 6

Adell Plastics, Inc.

Message:

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

Typical application of Adell Polyamide BR-33: Automotive

General Information			
Filler / Reinforcement	Glass Fiber,13% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21 to 1.23	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (24 hr)	1.5	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	88		
R-Scale	119		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	100	MPa	ASTM D638
Tensile Elongation (Break)	4.0 to 5.0	%	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	138	MPa	ASTM D790
Compressive Strength	103	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	193	°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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