

Adell Polyamide BR-37

Polyamide 6

Adell Plastics, Inc.

Message:

Adell Polyamide BR-37 is a Polyamide 6 (Nylon 6) material filled with 33% glass fiber. It is available in North America. Primary attribute of Adell Polyamide BR-37: Flame Rated.

Typical application of Adell Polyamide BR-37: Automotive

General Information				
Filler / Reinforcement	Glass Fiber,33% Filler by Weight			
Physical	Nominal Value	Unit	Test Method	
Specific Gravity	1.37 to 1.39	g/cm ³	ASTM D792	
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955	
Water Absorption (24 hr)	1.1	%	ASTM D570	
Hardness	Nominal Value	Unit	Test Method	
Rockwell Hardness			ASTM D785	
M-Scale	90			
R-Scale	121			
Mechanical	Nominal Value	Unit	Test Method	
Tensile Strength	159	MPa	ASTM D638	
Tensile Elongation (Break)	2.0 to 3.0	%	ASTM D638	
Flexural Modulus	8620	MPa	ASTM D790	
Flexural Strength	200	MPa	ASTM D790	
Compressive Strength	172	MPa	ASTM D695	
Impact	Nominal Value	Unit	Test Method	
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256	
Thermal	Nominal Value	Unit	Test Method	
Deflection Temperature Under Load			ASTM D648	
0.45 MPa, Unannealed	218	°C		
1.8 MPa, Unannealed	216	°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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