

Adell Polyamide BR-310

Polyamide 6

Adell Plastics, Inc.

Message:

Adell Polyamide BR-310 is a Polyamide 6 (Nylon 6) material filled with 50% glass fiber. It is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.40	%	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	103		
R-Scale	123		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	217	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength (Yield)	269	MPa	ASTM D790
Compressive Strength	241	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	160	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	

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Recommended distributors for this material

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