

Adell Polyamide AW-18

Polyamide 66

Adell Plastics, Inc.

Message:

Adell Polyamide AW-18 is a Polyamide 66 (Nylon 66) material filled with 40% glass fiber. It is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.40	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	221	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	10700	MPa	ASTM D790
Flexural Strength (Yield)	290	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	224	°C	ASTM D648

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Recommended distributors for this material


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