

Adell Polyamide AL-18

Polyamide 66

Adell Plastics, Inc.

Message:

Adell Polyamide AL-18 is a Polyamide 66 (Nylon 66) material filled with 40% glass\mineral. It is available in North America. Primary attribute of Adell Polyamide AL-18: Flame Rated.

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47 to 1.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	98		
R-Scale	122		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	138	MPa	ASTM D638
Tensile Elongation (Break)	2.0 to 3.0	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Compressive Strength	255	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	249	°C	
1.8 MPa, Unannealed	246	°C	
Melting Temperature	254 to 271	°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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