

Adell Polyamide AH-38

Polyamide 66

Adell Plastics, Inc.

Message:

Adell Polyamide AH-38 is a Polyamide 66 (Nylon 66) material filled with 40% mineral. It is available in North America. Primary attribute of Adell Polyamide AH-38: Flame Rated.

Typical application of Adell Polyamide AH-38: Automotive

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48 to 1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.2	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	95		
R-Scale	122		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	89.6	MPa	ASTM D638
Tensile Elongation (Break)	10 to 15	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	138	MPa	ASTM D790
Compressive Strength	252	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	37	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	171	°C	
Melting Temperature	254 to 266	°C	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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