

ATA-NH Aramid Paper Honeycomb

Aerospace Grade

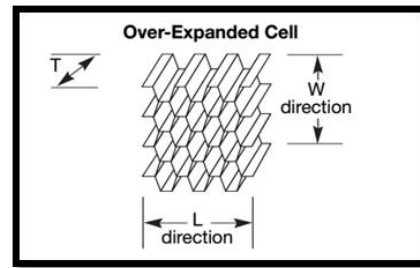
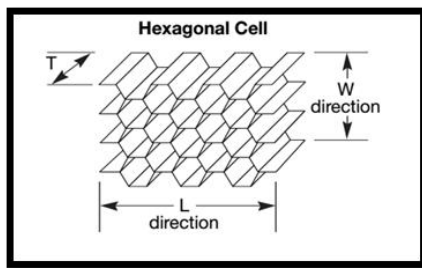
DESCRIPTION & FEATURES:

ATA-NH meta-aramid paper honeycomb is manufactured from aerospace grade meta-aramid paper and coated with phenolic resin. It has many outstanding features such as light against high strength, flame-retardant, corrosion-resistant, low dielectric and anti-fatigue.

APPLICATIONS:

ATA-NH meta-aramid paper honeycomb is widely applied in aeronautics and astronautics, and military defence etc..

DIMENSIONAL NOMENCLATURE:

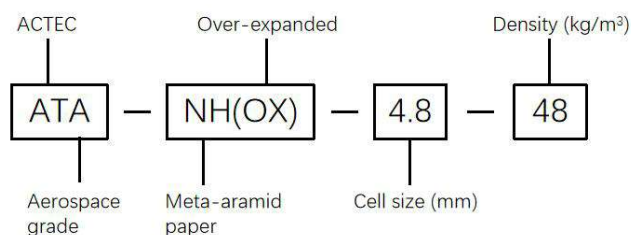


T= thickness, or cell depth L= ribbon direction
W= long direction, or direction perpendicular to the ribbon

TOLERANCES:

Length: >-10mm Width: >-10mm
Density: $\pm 10\%$ Cell size: $\pm 5\%$
Thickness: 2-50mm $\pm 0.2\text{mm}$
 50.01-100mm $\pm 0.5\text{mm}$
 >100.01mm $\pm 3\text{mm}$

ATA-NH TYPE DESIGNATION:



Mechanical Properties of ATA-NH in Room Temperature

ATA-NH Mechanical Properties					
Designation Material-Cell-Density NH mm kg/m ³	Compression	Plate Shear			
	Bare	L Direction		W Direction	
	Strength MPa	Strength MPa	Modulus MPa	Strength MPa	Modulus MPa
	Typ	Typ	Typ	Typ	Typ
ATA-NH-3.2-29	0.69	0.61	26	0.29	15
ATA-NH-3.2-48	2.05	1.36	48	0.75	28
ATA-NH-3.2-64	3.80	1.84	62	1.01	33
ATA-NH-3.2-80	5.26	2.32	82	1.28	44
ATA-NH-3.2-96	7.31	2.76	96	1.71	53
ATA-NH-3.2-128	12.30	3.25	126	2.11	71
ATA-NH-3.2-144	15.04	3.52	138	2.35	88
ATA-NH-4.8-32	0.98	0.69	31	0.40	19
ATA-NH-4.8-48	2.15	1.22	40	0.78	28
ATA-NH-4.8-64	3.97	1.81	72	1.10	42
ATA-NH-9.5-32	0.79	0.66	24	0.34	17
ATA-NH-9.5-48	1.95	1.32	39	0.67	28
ATA-NH(OX)-4.8-29	0.68	0.35	11	0.38	19
ATA-NH(OX)-4.8-48	2.36	0.82	21	0.91	46

Remarks:

1. Above table presents guarantee values of honeycomb obtained from testing specimens of 12.7mm thickness at room temperature, and are representative at the nominal product density.
2. Data is based on results gained from experience and tests.

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