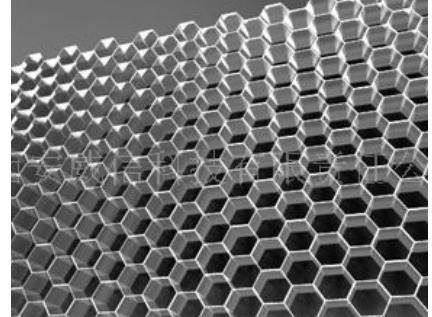




## ARGOSY 3000 Series Aluminum Honeycomb

ARGOSY 3000 series aluminum honeycomb is a lightweight honeycomb core that offers superior strength and corrosion resistance to meet a broad range of demanding applications. It is high performance, low cost structural core material that is perfect for architectural, transportation, marine and other industrial applications.



### Typical Applications

ARGOSY 3000 series aluminum honeycomb is utilized in a wide range of applications where light weight, high flex strength, corrosion resistant, low cost honeycomb core panels are desired.

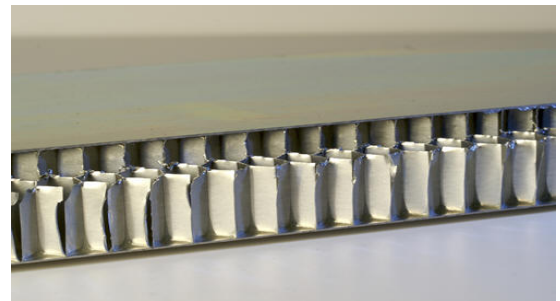


These include:

- marine interior panels;
- architectural building panels and curtain walls
- automotive and truck panels
- rail and subway car flooring, wall and storage compartment panels
- industrial equipment
- general door, shelving and cover panels
- tooling board
- airflow control
- energy absorbing applications

### Features

- Excellent strength-to-weight ratio over broad temperature range beyond 350°F/177°C
- Low cost/high value
- Corrosion and fungus resistant
- Excellent energy absorption qualities
- Available with RoHS compliant chrome-free coating



### How to Order

When ordering, please specify material type using the following format:  
Example: 5.2 1/4 -N-E

Product	Density	Cell Size	Perforated or Non-perforated	Expanded or Unexpanded
Aluminum Honeycomb	5.2	1/4	P or N	E or U

## Available Dimensions and Tolerances

	Standard		Maximum		Tolerance	
	inches	mm	inches	mm	inches	mm
Ribbon (L)	48	1220	72	1829	+4.0 / -0.0	+101.6 / -0.0
Transverse (W)	96	2440	260+	6604+	+8.0 / -0.0	+203.2 / -0.0
Thickness (T) Block			34	864	+1.0 / -1.0	+25.4 / -25.4
Thickness (T) Slice	Up to 4 inches (102mm) T				±0.008	±0.203
Expanded Panel	Over 4 inches (102mm) T				±0.062	±1.575
Density	See Product Forms				± 15%	
Cell Size	See Product Forms				± 15%	

## Product Availability Chart

Alloy	Nominal Cell Size	Nominal Density PCF	Nominal Foil Thickness	
			Inches	Microns
3000	3/16	4.4	.00185	47
3000	1/4	3.4	.00185	47
3000	1/4	5.2	.00285	72
3000	3/8	2.3	.00185	47
3000	3/8	3.6	.00285	72
3000	1/2	1.7	.00185	47
3000	1/2	2.6	.00285	72
3000	3/4	1.2	.00185	47
3000	3/4	1.8	.00285	72

## Typical Mechanical Properties

Cell Size (Inches) / Density (lbs)	Stabilized Compression		Plate Shear			
	Strength (MPa)	Modulus (MPa)	Strength "L Direction" (MPa)	Modulus "L Direction" (MPa)	Strength "W Direction" (MPa)	Strength "W Direction" (MPa)
3/4 1.8	0.91	163	0.66	111	0.41	54
3/8 2.3	1.42	242	0.81	189	0.47	88
1/2 2.6	1.59	274	0.89	222	0.51	99
1/4 3.4	2.51	543	1.41	258	0.86	128
3/8 3.6	2.58	632	1.47	283	0.91	144
1/4 5.2	4.61	998	2.08	438	1.53	221

\*Information contained above is typical only and should be verified for any specific applications

## For Additional Information

- Contact: [sales@argosyinternational.com](mailto:sales@argosyinternational.com) or [honeycomb@argosyinternational.com](mailto:honeycomb@argosyinternational.com)
- For locations: <http://www.argosyinternational.com/worldwidelocations.htm>

