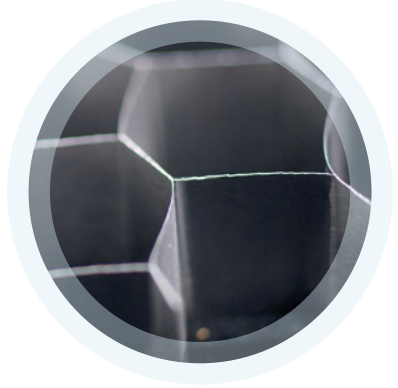
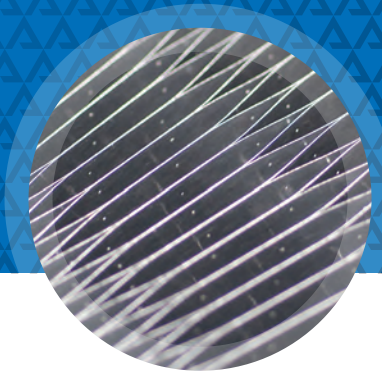




ARGOSY ALUMINUM HONEYCOMB



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

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	+2.0 / -0.0	+50.8 / -0.0
Transverse (W)	96	2440	354	9000	+4.0 / -0.0	+101.6 / -0.0
Thickness (T) Block	N/A		34.5	876	+1.0 / -1.0	+25.4 / -25.4
Thickness (T) Slice	Up to 4 inches (102mm) T				±0.004	±0.1
Expanded Panel	Over 4 inches (102mm) T				±0.062	±1.575
Density	See Product Availability Chart				± 15%	
Cell Size	See Product Availability Chart				± 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
3000	1	1.3	.00285	72

TYPICAL MECHANICAL PROPERTIES

CELL SIZE (INCHES) / DENSITY (LBS)	STABILIZED COMPRESSION		PLATE SHEAR			
	STRENGTH (MPa)	MODULUS (PSI)	STRENGTH "L DIRECTION" (MPa)	MODULUS "L DIRECTION" (PSI)	STRENGTH "W DIRECTION" (MPa)	MODULUS "W DIRECTION" (PSI)
1/4 3.4	2.00	543	1.60	258	0.90	128
1/4 5.2	2.80	998	2.20	438	1.30	221
3/8 2.3	1.11	242	0.86	189	0.59	88
3/8 3.6	1.56	632	1.20	283	0.82	144
1/2 1.7	0.65	94	0.7	102	0.4	58
1/2 2.6	0.86	274	0.80	222	0.55	99
3/4 1.2	0.35	51	0.4	58	0.3	44
3/4 1.8	0.48	163	0.48	111	0.35	54
1 1.3	0.35	51	0.4	58	0.3	44

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

FOR ADDITIONAL INFORMATION

CONTACT sales@argosyinternational.com or honeycomb@argosyinternational.com
For more information, please visit argosyinternational.com