

PRODUCT DATA

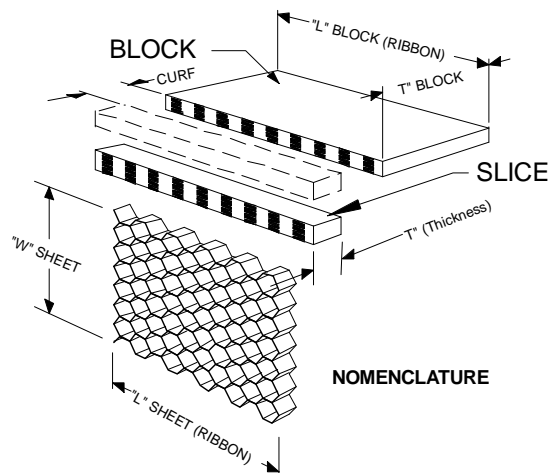
ALH-CG/3000 SERIES

COMMERCIAL GRADE ALUMINUM HONEYCOMB

UNICEL® ALH-CG 3000 Series is a commercial grade aluminum honeycomb which possesses good physical strength at relatively low cost. Typical commercial applications include architectural panels, tooling, tops for desks and counters, office partitions, passenger rail car interiors.

TYPICAL PROPERTIES:

- Corrosion resistant
- readily available
- good thermal conductor
- medium tolerances
- good electrical conductor
- medium strength alloy
- good selection of cell sizes
- sized to your needs (special orders)
- relatively low cost
- nonhydroscopic



Manufactured by:



Available Forms:

Unicel ALH-CG 3000 Series Lightweight Commercial Grade aluminum honeycomb is available in blocks (uncut, expanded or unexpanded), slices (honeycomb at required thicknesses before expansion), and expanded sheets.

Tolerances: Thickness: +/- 0.008" (0.2 mm)
L X W: -0, + As expanded (unless otherwise specified for special sizes)

DESIGNATION	CELL SIZE Inch (mm)	DENSITY Lbs/ft. ³ (Kg/M ³)	NOMINAL FOIL Inch (mm)	COMPRESSIVE STRENGTH (STABILIZED) psi (MPa)	SHEAR "L" psi (MPa)	SHEAR "W" psi (MPa)
ALH-CG	1/4 (6.4)	5.2 (83.3)	.003 (0.076)	610 (4.2)	345 (2.4)	215 (1.5)
ALH-CG	3/8 (9.5)	3.6 (57.7)	.003 (0.076)	340 (2.3)	210 (1.4)	130 (0.9)
ALH-CG	1/2 (12.7)	2.6 (41.6)	.003 (0.076)	170 (1.2)	111 (0.8)	70 (0.5)
ALH-CG	3/4 (19.1)	1.8 (28.8)	.003 (0.076)	110 (0.8)	95 (0.7)	455 (0.4)
ALH-CG	1 (25.4)	1.2 (19.2)	.003 (0.076)	65 (0.4)	55 (0.4)	40 (0.3)

NOTICE: SOME TECHNICAL INFORMATION IS PRELIMINARY. IN ANY CASE, ANYONE CONSIDERING THE USE OF OUR PRODUCTS SHOULD CONDUCT TESTING TO DETERMINE IF ANY SELECTED MATERIAL IS SUITABLE FOR AN APPLICATION. FOR MORE INFORMATION, PLEASE CONSULT OUR SALES OFFICE.

PRODUCT DESIGNATIONS

UNICEL® ALH-3000 series commercial grade aluminum honeycomb is identified in the following manner:

ALH-CG-cell size-density-perforated (otherwise blank)

Example: ALH-CG-3/8-3.6-P or ALH-CG-9.5-57.7-P

IN THE U.S.:

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