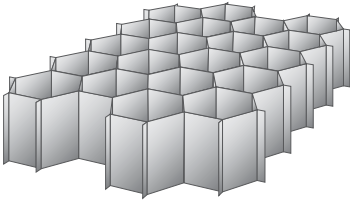


PCGA-XR1 3003 Aluminum Honeycomb



Description:

PCGA-XR1 3003 commercial grade aluminum honeycomb is a lightweight core material offering excellent strength and corrosion resistance for industrial applications at low cost. PCGA-XR1 3003 honeycomb is made from 3003 aluminum alloy foil.

Applications:

PCGA-XR1 3003 honeycomb uses include air/light directionalization, energy absorption, tooling, ceiling and floor panels, counter tops and other applications for which elevated physical and mechanical properties are not required.

Features:

- Use temperatures up to 350°F
- High thermal conductivity
- Flame resistant
- Excellent moisture and corrosion resistance
- Fungi resistant
- Low weight / High strength

Availability:

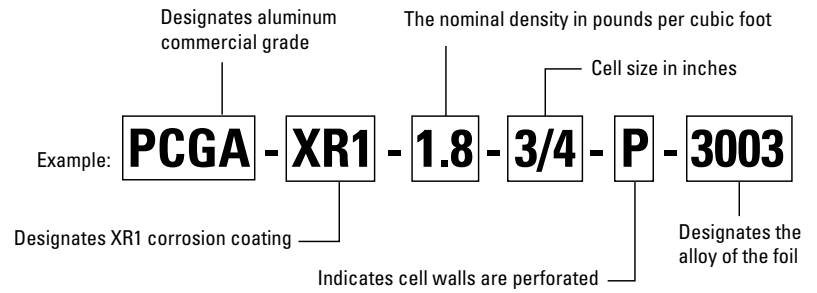
PCGA-XR1 3003 honeycomb is available in four forms: unexpanded blocks, unexpanded slices, untrimmed expanded sheets and cut to size expanded sheets. It is also available with or without cell perforations to facilitate cell venting for certain applications.

Cell Sizes:	1/4" - 1.0"
Densities:	1.4 pcf - 5.2 pcf
Sheet "Ribbon" (L):	48" typical
Sheet "Transverse" (W):	96" typical
Tolerances:	Length: + 6", - 0" Width: + 6", - 0" Thickness: ± .008" (under 4" thick) Density: ± 15% Cell Size: ± 15%

NOTE: Special dimensions, sizes, tolerances, CNC machining and die cut to size can be provided upon request.

PCGA-XR1 3003 commercial grade aluminum honeycomb is specified as follows:

Material - Density - Cell Size - Perforated - Alloy



PCGA-XR1 3003 Mechanical Properties

PLASCORE® Honeycomb Designation			Bare Compressive		Plate Shear			
CORE TYPE	CELL SIZE	DENSITY	STRENGTH PSI	MODULUS KSI	STRENGTH PSI		MODULUS KSI	
					"L"	"W"	"L"	"W"
PCGA-XR1	1/4	5.2	620	148	345	215	63	31
PCGA-XR1	3/8	3.6	325	92	210	130	40	20
PCGA-XR1	1/2	2.5	165	40	130	70	25	15
PCGA-XR1	3/4	1.8	110	24	95	55	16	8
PCGA-XR1	1.0	1.4	75	16	55	40	14	7

Tested at 0.625" per MIL-STD-401 at room temperature.

Note: Lighter foil gage versions available upon request: 1/4 - 3.4, 3/8 - 2.3, 1/2 - 1.8, 3/4 - 1.2, 1.0 - 1.0

Plascore, Inc., employs a quality management system that is AS/EN/JISQ 9100, ISO 9001:2008 and ISO 14001:2004 certified.

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Corporate Headquarters

Plascore Incorporated
 615 N. Fairview St.
 Zeeland, MI 49464-0170
 Phone (616) 772-1220
 Toll Free (800) 630-9257
 Fax (616) 772-1289
 Email sales@plascore.com
 Web www.plascore.com

Europe

Plascore GmbH&CoKG
 Feldborn 6
 D-55444 Waldlaubersheim
 Germany
 Phone +49(0) 6707-9143 13
 Fax +49(0) 6707-9143 40
 Email sales.europe@plascore.com
 Web www.plascore.de