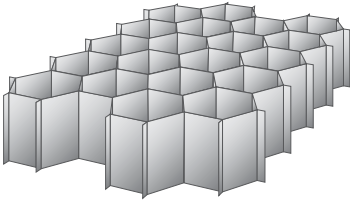


PCGA-XR2 3003 Aluminum Honeycomb



Description:

PCGA-XR2 3003 commercial grade aluminum honeycomb is a lightweight core material offering excellent strength and good corrosion resistance for industrial applications at low cost. PCGA-XR2 3003 honeycomb is made from 3003 aluminum alloy foil.

Applications:

PCGA-XR2 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:

- High thermal conductivity
- Flame resistant
- Good moisture and corrosion resistance
- Fungi resistant
- Low weight / High strength

Availability:

PCGA-XR2 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 - 72" max
Sheet "Transverse" (W):	96" typical - 200" max
Sheet Thickness (T):	35" max
Tolerances:	Length: + 6", - 0" Width: + 6", - 0" Thickness: ± 0.008" under 4" ± 0.062" over 4" Density: ± 15% Cell Size: ± 15%

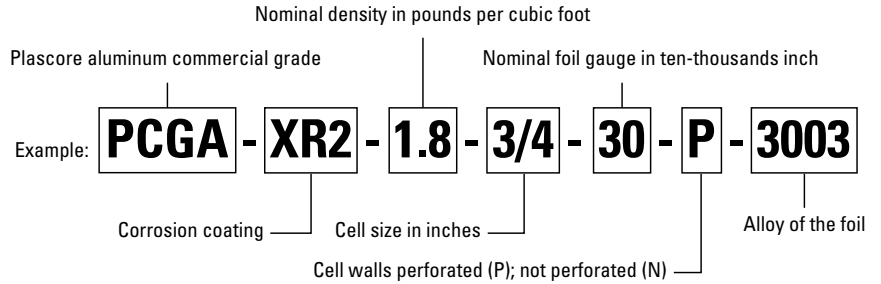
NOTE: Special dimensions, sizes, tolerances, CNC machining and die cut to size can be provided upon request.

Corrosion Resistance:

The XR2 corrosion coating offers a chrome-free clear protective film, providing good corrosion resistance.

PCGA-XR2 3003 commercial grade aluminum honeycomb is specified as follows:

Trade Name - Corrosion Coating - Density - Cell Size - Foil Gauge - Perforation - Alloy



PCGA-XR2 3003 Mechanical Properties								
			Bare Compressive - typical*		Plate Shear - typical*			
CELL SIZE inch	NOMINAL FOIL GAUGE inch	NOMINAL DENSITY PCF	STRENGTH PSI	MODULUS KSI	STRENGTH PSI		MODULUS KSI	
					"L"	"W"	"L"	"W"
1/4	.003	5.2	620	148	345	215	63	31
3/8	.003	3.6	325	92	210	130	40	20
1/2	.003	2.5	165	40	130	70	25	15
3/4	.003	1.8	110	24	95	55	16	8
1.0	.003	1.4	75	16	55	40	14	7

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

Mechanical property values were derived from testing according to AMS STD 401 and are for reference only. Certificates of conformance are not provided unless specifically requested.

*Minimum values may be up to 25% lower than typical values.

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

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