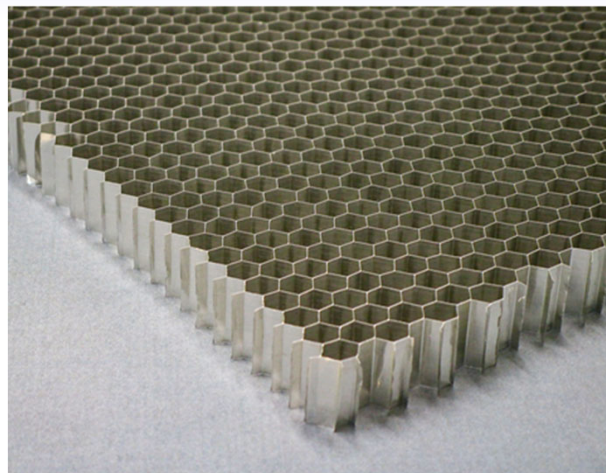


BCR-SHH

Basic Corrosion Resistance Showa Hexagonal Honeycomb

Description

BCR-SHH is an aerospace grade honeycomb core with a Chrome-free corrosion chemical conversion coating for environmentally friendly. The previous product used chromate treatment, but we developed a new one to achieve the SDG's. BCR-SHH has many types of density, cell size, and perforation option too. This meets AMS-C-7438A Class2 requirement.



Features

- Low weight/High strength
- Superior flatness as sandwich core material
- Excellent energy absorption
- Air/fluid directionalization
- Basic Corrosion Resistance

Applications

- Aerospace products
- Industrial equipment (tooling table)
- Energy absorbers
- Rectifying device for wind tunnel test equipment
- DeElectromagnetic shielding filter
- Corative applications

Designation

Example

BCR - SHH - 2.3 - 1/4 - 10 (5052N) CL2

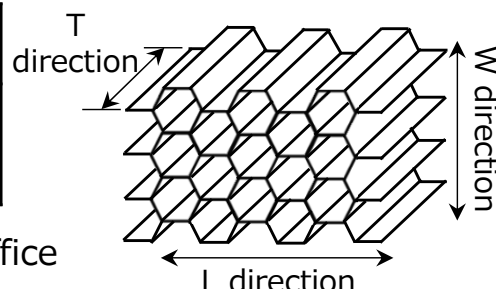
AMS-C-7438A Class2
N:Indicates the cell walls are not perforated
P:Indicates perforated
Alloy of the foil (Alloy5052,5056)
Foil Thickness (inch)
Cell Size (inch)
Density (pounds per cubic foot)
Showa Hexagonal Honeycomb
Basic Corrosion Resistance

Standard Dimensions

L direction	W direction	T direction (Min.)
48 +2/-0 inch (1200 +50/-0 mm)	96 +4/-0 inch (2400 +100/-0 mm)	0.12 ±0.01 inch (3.0 ±0.25 mm)

NOTE: For more information, please contact our Sales Office

Dimensional Nomenclatures



Mechanical Properties (Alloy 5052)

Cell Size (inch)	Foil Thickness (inch)	Density (lbs/ft ³)	Compressive Strength (psi)		Plate Shear (psi)			
					L Direction		W Direction	
			75 to 85F	350F	75 to 85F	350F	75 to 85F	350F
1/8	0.001	4.5	541	350	325	337	172	172
1/8	0.002	8.1	1494	934	751	769	420	402
1/4	0.0015	3.4	307	203	233	196	118	101
3/8	0.0015	2.3	180	122	145	110	82	71

Mechanical Properties (Alloy 5056)

Cell Size (inch)	Foil Thickness (inch)	Density (lbs/ft ³)	Compressive Strength (psi)		Plate Shear (psi)			
					L Direction		W Direction	
			75 to 85F	350F	75 to 85F	350F	75 to 85F	350F
1/8	0.0007	3.1	336	242	268	241	131	119
1/8	0.001	4.5	742	440	420	348	227	204
3/16	0.0007	2.0	145	90	141	129	80	73
3/16	0.001	3.1	301	209	231	192	125	118
1/4	0.0007	1.6	113	76	114	88	65	61
1/4	0.001	2.3	222	149	174	104	100	84
3/8	0.0007	1.0	64	42	58	42	45	40
3/8	0.001	1.6	128	73	110	83	67	60

NOTE:

- Above values are the properties when tested per AMS-C-7438A using 0.625 inch core thickness.
- Above values are the minimum values and guaranteed values for the average of five specimens of honeycomb when tested per AMS-C-7438A.

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