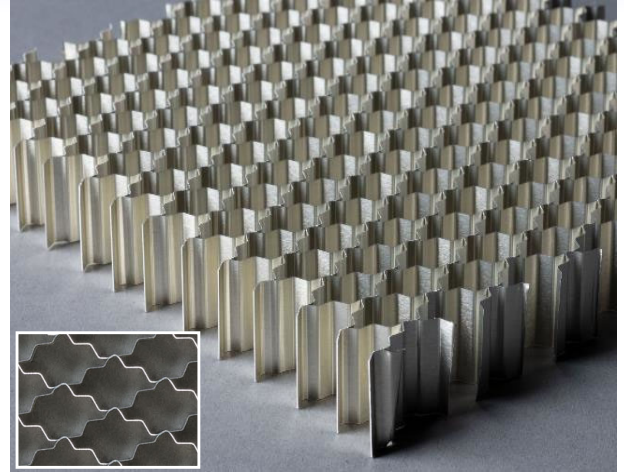


PAA-SDFH[®] Phosphoric Acid Anodized Showa Double Flexible Honeycomb

Description

PAA-SDFH[®] is an aerospace grade 5052 aluminum honeycomb materials produced from phosphoric acid anodized aluminum sheets. Phosphoric acid anodize gives an excellent corrosion resistance to aluminum alloy, and the surface treatment system with a corrosion prohibited primer provide the greatest bondability and fatigue strength under critical conditions such as hot & wet condition. PAA-SDFH[®] is available in two selections of core density and foil thickness.



Features

- Low weight / High strength
- Electromagnetic shielding
- Uniform hexagonal shape suitable for decoration uses
- High Corrosion Resistance
- Curved formability

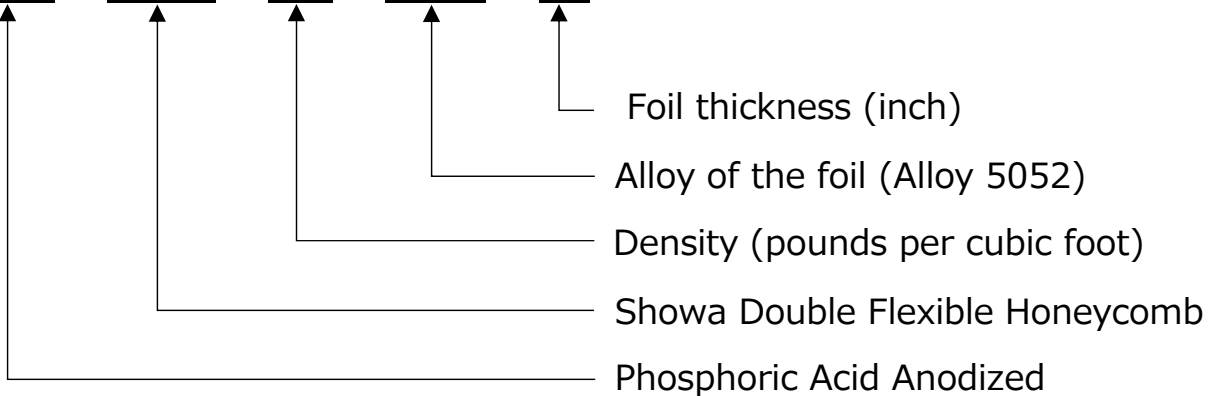
Applications

- Industrial equipment (tooling table)
- Corative applications
- Aerospace products (Satellite, rocket body structure, fan case)

Designation

Example

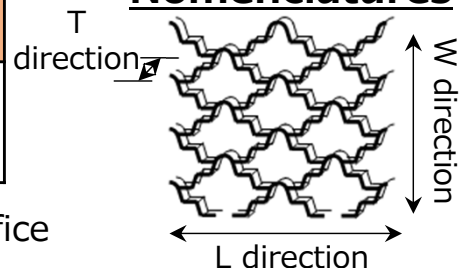
PAA - SDFH - 4.8 - 5052 - 47



Standard Dimensions

L direction	W direction	T direction (Min.)
24 +4/-0 inch (610 +100/-0 mm)	96 +8/-0 inch (2400 +200/-0 mm)	0.200 ±0.010 inch (5.00 ±0.250 mm)

Dimensional Nomenclatures



NOTE: For more information, please contact our Sales Office

Mechanical Properties

Designation	Nominal Density (lbs/ft ³)	Compressive Strength (psi)	Plate Shear			
			L Direction		W Direction	
			Strength (psi)	Modulus (psi)	Strength (psi)	Modulus (psi)
4.8-5052-47	4.8	872	319	64.6	212	21.9
5.7-5052-57	5.7	1105	436	72.2	269	22.8

NOTE:

- The above data are the properties when tested per SAE-AMS-STD-401.
The typical values represent the mean average of relatively large number of test values from many blocks of honeycomb, and are not guaranteed.
- Tolerance of the density is $\pm 10\%$ of nominal density.

SHOWA AIRCRAFT INDUSTRY CO., LTD.

Tokyo Sales Office
 3-1-1 Daikanyama, Akishima-shi, Tokyo, 196-8522 Japan
 Phone: +81-42-541-8883
 Fax: +81-42-545-6909
 e-mail: honeycombsales196@showa-aircraft.co.jp
 HP: <https://www.showa-aircraft.co.jp/en/index.html>

SHOWA AIRCRAFT USA INC.

14711 NE 29th PI Suite 118 - Bellevue,
 WA 98007, USA
 Phone: +1-425-202-7238
 HP: <https://showaaircraftusa.com/>