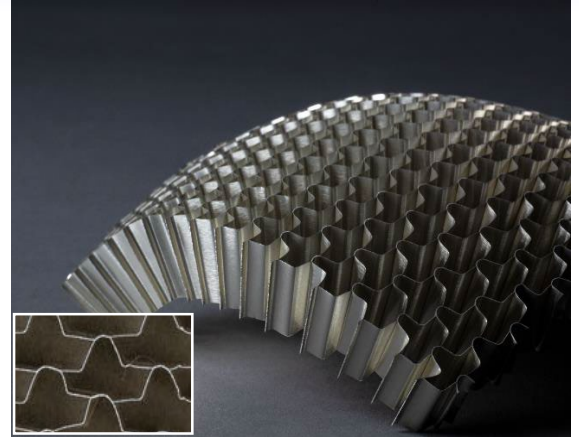


# PAA-SFH®

## Phosphoric Acid Anodized Showa Flexible Honeycomb

### Description

PAA-SFH® 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-SFH® is available in three 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

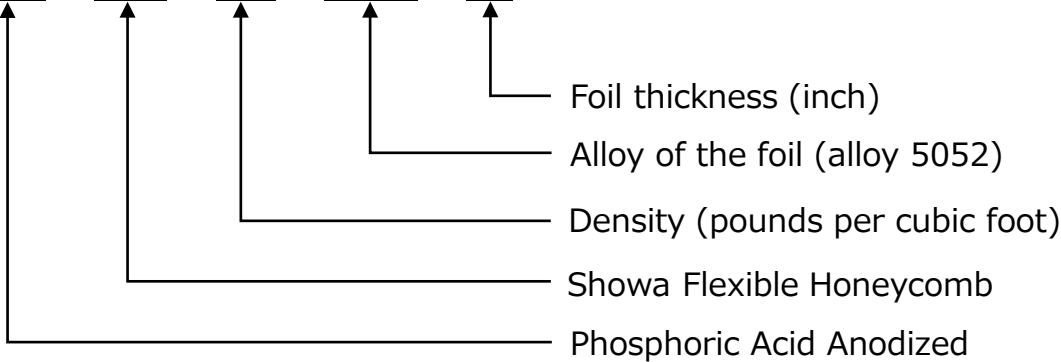
### Applications

- Industrial equipment (tooling table)
- Corative applications
- Aerospace products (Satellite, rocket body structure, flap, floor panel)

### Designation

Example

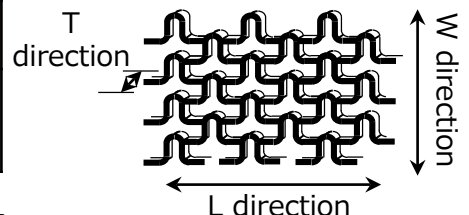
PAA - SFH - 4.1 - 5052 - 25



### Standard Dimensions

L direction	W direction	T direction (Min.)
36 +4/-0 inch (900 +100/-0 mm)	96 +8/-0 inch (2400 +200/-0 mm)	0.200 ±0.01 inch (5.00 ±0.25 mm)

### Dimensional Nomenclatures



NOTE: For more information, please contact our Sales Office

## Mechanical Properties

Designation	Nominal Density (lbs/ft <sup>3</sup> )	Compressive Strength (psi)	Plate Shear			
			L Direction		W Direction	
			Strength (psi)	Modulus (ksi)	Strength (psi)	Modulus (ksi)
3.1-5052-19	3.1	360	150	35.0	80.0	14.5
4.1-5052-25	4.1	535	240	45.0	140	18.5
5.7-5052-37	5.7	858	430	75.0	260	30.0

### 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.

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