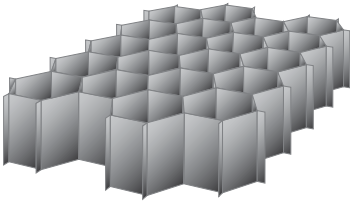


# SSH-301 & SSH-304 Stainless Steel Honeycomb



## Description:

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SSH-301 and SSH-304 stainless steel honeycomb is adhesively-bonded which offers affordable pricing when compared against conventional welded stainless cores. SSH-304 honeycomb is made from annealed SS304.

## Applications:

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Stainless steel honeycomb uses include joiner panels, bulkheads, train doors and floors or any areas where honeycomb is subjected to hostile environments.

## Features:

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- Excellent moisture and corrosion resistance
- Flame resistance
- Fungi resistance

## Availability:

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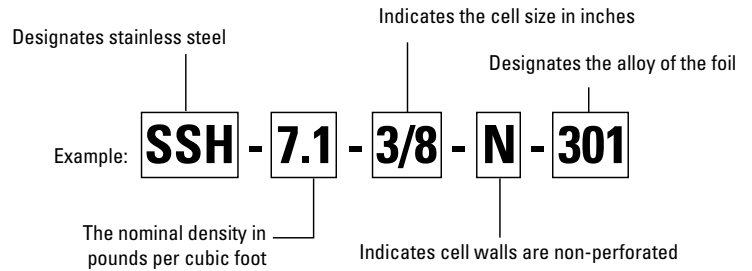
Stainless steel honeycomb is available in expanded, untrimmed sheets.

<b>Cell Sizes:</b>	3/8" - 1/2"
<b>Densities:</b>	5.3 pcf - 7.1 pcf
<b>Sheet "Ribbon" (L):</b>	48" typical
<b>Sheet "Transverse" (W):</b>	96" typical
<b>Tolerances:</b>	Length: + 6", - 0"
	Width: + 6", - 0"
	Thickness: ± .015" (under 4" thick)
	Density: ± 15%
	Cell Size: ± 15%

**NOTE:** Special sizes and can be provided upon request.

# SSH-301 & SSH-304 honeycomb is specified as follows:

Material - Density - Cell Size - Foil Thickness - Non-perforated - Alloy



## SSH-301 & SSH-304 Mechanical Properties\*

PLASCORE® Honeycomb Designation			Bare Compressive		Plate Shear "L" Direction			Plate Shear "W" Direction		
CORE TYPE	CELL SIZE	DENSITY	STRENGTH PSI		STRENGTH PSI		MODULUS KSI	STRENGTH PSI		MODULUS KSI
			TYP	MIN	TYP	MIN	TYP	TYP	MIN	TYP
SSH-301	3/8	7.1	350	245	290	203	112	150	116	60
SSH-301	1/2	5.3	239	167	196	137	81	109	84	45
SSH-304	3/8	7.1	214	150	207	145	77	110	77	43
SSH-304	1/2	5.3	145	102	140	98	58	78	55	32

\* Estimated or interpolated values based on limited testing per MIL-STD-401 at room temperature.

Note: The above data is based on variable sample sizes and is subject to change with continued manufacturing and testing of SSH honeycomb core blocks.



Plascore, Inc., employs a quality management system that is Nadcap, AS9100, ISO 9001 and ISO 14001 certified.

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