SSH-301 & SSH-304 Stainless Steel Honeycomb

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

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

Availability:
Stainless steel honeycomb is available in expanded, untrimmed sheets.

Cell Sizes: 3/8” - 1/2”
Densities: 5.3 pcf - 7.1 pcf
Sheet “Ribbon” (L): 48” typical
Sheet “Transverse” (W): 96” typical
Tolerances:
- 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

Example: SSH - 7.1 - 3/8 - N - 301

- Designates stainless steel
- Indicates the cell size in inches
- Designates the alloy of the foil
- The nominal density in pounds per cubic foot
- Indicates cell walls are non-perforated

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

<table>
<thead>
<tr>
<th>PLASCORE® Honeycomb Designation</th>
<th>Bare Compressive</th>
<th>Plate Shear “L” Direction</th>
<th>Plate Shear “W” Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORE TYPE</td>
<td>CELL SIZE</td>
<td>DENSITY</td>
<td>STRENGTH PSI TYP</td>
</tr>
<tr>
<td>SSH-301</td>
<td>3/8</td>
<td>7.1</td>
<td>350</td>
</tr>
<tr>
<td>SSH-301</td>
<td>1/2</td>
<td>5.3</td>
<td>239</td>
</tr>
<tr>
<td>SSH-304</td>
<td>3/8</td>
<td>7.1</td>
<td>214</td>
</tr>
<tr>
<td>SSH-304</td>
<td>1/2</td>
<td>5.3</td>
<td>145</td>
</tr>
</tbody>
</table>

* 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.

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**Corporate Headquarters**
Plascore Incorporated
615 N. Fairview St.
Zeeland, MI 49464-0170
Phone (616) 772-1220
Toll Free (800) 630-9257
Fax (616) 772-1289
Email sales@plascore.com
Web www.plascore.com

**Europe**
Plascore GmbH&CoKG
Feldborn 6
D-55444 Waldlaubersheim
Germany
Phone +49(0) 6707-9143 0
Fax +49(0) 6707-9143 40
Email sales.europe@plascore.com
Web www.plascore.de

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