Plascore Aluminum and PC2 Honeycomb cores are used in various applications for straightening, directing and filtering air, fluid and light flow. With its open cell structure, often exceeding 95%, Plascore honeycomb cores allow maximum flow with minimal resistance. Plascore honeycomb cores are lightweight for easy handling, yet exhibit tough, impact-resistant qualities, making them ideal solutions for air, fluid and light flow:

- Turbulent to Laminar
- Redirect
- Focus / Concentrate

**Applications**

- Wind Tunnels
- Refrigerated Cases
- HVAC
- Wave Pools
- Fuel Filters
- Fountains
- Fluid Baffles
- Lighting & Photography Filters
- Directional Stage Lighting
- Skylights
PC2 Polycarbonate Availability

PC2 polycarbonate honeycomb is typically used for water, air and light flow applications. It is typically unaffected by moisture and is available in the following cell sizes.

<table>
<thead>
<tr>
<th>Cell Size</th>
<th>1/8</th>
<th>1/4</th>
<th>3/8</th>
<th>1/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>5.0</td>
<td>4.0</td>
<td>5.0</td>
<td>5.0</td>
</tr>
<tr>
<td>% Open*</td>
<td>70</td>
<td>80</td>
<td>85</td>
<td>95</td>
</tr>
</tbody>
</table>

* Effective open area

PC2 polycarbonate honeycomb is specified as follows:
- Material - Cell Size - Color - Thickness

Example: **PC2 - 125 - B - 1.000**

- Cell size in inches (.125” or 1/8”)
- Indicates the thickness in inches

PCGA-XR2 3003 Availability

PCGA-XR2 3003 honeycomb is typically used in higher velocity wind tunnels and lighting applications and is available in four forms: unexpanded blocks, unexpanded slices, untrimmed expanded sheets and cut to size expanded sheets. It is also available with or without cell perforations to facilitate cell venting for certain applications.

<table>
<thead>
<tr>
<th>Cell Size</th>
<th>1/4</th>
<th>3/8</th>
<th>1/2</th>
<th>3/4</th>
<th>1.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>5.2</td>
<td>3.6</td>
<td>2.5</td>
<td>1.8</td>
<td>1.4</td>
</tr>
<tr>
<td>% Open*</td>
<td>95 or higher</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Effective open area

PCGA-XR2 3003 commercial grade aluminum honeycomb is specified as follows:
- Trade Name - Corrosion Coating - Density - Cell Size - Foil Gauge - Perforation - Alloy

Example: **PCGA - XR2 - 1.8 - 3/4 - 30 - P - 3003**

- Nominal density in pounds per cubic foot
- Nominal foil gauge in ten-thousands inch

PAMG-XR1 5052 Availability

PAMG-XR1 5052 honeycomb is typically used in Fluid Flow applications and is available in four forms: unexpanded blocks, unexpanded slices, untrimmed expanded sheets and cut to size expanded sheets. It is also available with or without cell perforations to facilitate cell venting for certain applications.

<table>
<thead>
<tr>
<th>Cell Size</th>
<th>1/16</th>
<th>1/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>12.0</td>
<td>4.5</td>
</tr>
<tr>
<td>% Open*</td>
<td>90</td>
<td>95</td>
</tr>
</tbody>
</table>

* Effective open area

PAMG-XR1 5052 aluminum honeycomb is specified as follows:
- Trade Name - Corrosion Coating - Density - Cell Size - Foil Gauge - Perforation - Alloy

Example: **PAMG - XR1 - 3.0 - 3/8 - 20 - P - 5052**

- Nominal density in pounds per cubic foot
- Nominal foil gauge in ten-thousands inch

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

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