A full product listing can be found at www.plascore.com

PK2 Kevlar® N636 Para-Aramid Fiber Honeycomb
Manufactured with para-aramid fiber paper (DuPont Kevlar® N636 or equivalent) coated with a heat resistant phenolic resin. Exhibits improved performance characteristics over Nomex®.
• Up to 40% higher properties than Nomex® honeycomb
• Improved shear strength and modulus
• Extremely high strength to weight ratio
• Excellent thermal and moisture stability
• Conforms to stringent smoke, toxicity and flammability standards

PN2 Aerospace Grade Aramid Fiber Honeycomb
Manufactured from DuPont Nomex® paper (or equivalent) and coated with a heat resistant phenolic resin.
• High strength to weight ratio
• Fire resistant (self extinguishing)
• Corrosion resistant, thermally insulating
• Excellent dielectric properties
• Excellent creep and fatigue performance
• High thermal conductivity
• Flame resistant and fungi resistant
• Superior strength over commercial grade aluminum honeycomb

PN1 Commercial Grade Aramid Fiber Honeycomb
Manufactured from DuPont Nomex® paper (or equivalent) and coated with a heat resistant phenolic resin.
• High strength to weight ratio
• Fire resistant (self extinguishing)
• Corrosion resistant, thermally insulating
• Excellent dielectric properties
• Excellent creep and fatigue performance
• Over expanded cell configuration suitable for forming simple curves
• Compatible with most adhesives

PAMG 5052 Aluminum Honeycomb
Made from 5052 aluminum alloy foil and meets all the requirements of AMS(MIL)-C-7438.
• Available with XR1 or PA3 coating
• High strength to weight ratio
• Elevated use temperatures
• High thermal conductivity
• Excellent moisture and corrosion resistance
• Flame resistant and fungi resistant
• Superior strength over commercial grade aluminum honeycomb

PAMG 5056 Aluminum Honeycomb
Made from 5056 aluminum alloy foil and meets all the requirements of AMS(MIL)-C-7438.
• Available with XR1 or PA3 coating
• High strength to weight ratio
• Elevated use temperatures
• High thermal conductivity
• Excellent moisture and corrosion resistance
• Flame resistant and fungi resistant
• Superior strength over 5052 and commercial grade aluminum honeycomb

PAHD 5052 Aluminum Honeycomb
Made from 5052 aluminum alloy foil and can be tested in accordance with customer requirements.
• Available with XR1 or PA3 coating
• Elevated use temperatures
• High thermal conductivity
• Flame resistant
• Machinable
• Roll formable

PC2 Polycarbonate Honeycomb
PC2 polycarbonate honeycomb exhibits a unique cell structure. The core has 3 orientations vs. the 2 orientations common with other honeycomb, making its properties more uniform. Each cell has a tubular form and is inherently stable.
• Excellent dielectric properties
• Good thermal and electric insulator
• Conductive grades available
• Fire, corrosion and fungi resistant
• Sandwich skins can be melted to core
• Use temperatures below 200°F
• Small cell sizes at high densities
• Available transparent and in colors

PP Polypropylene Honeycomb
Supplied with or without a non-woven polyester veil for better bonding. It is also supplied with or without a film barrier under the polyester veil to limit the amount of resin consumption.
• High strength to weight ratio
• Corrosion, fungi, rot, chemical and moisture resistant
• Sound and vibration dampening
• Energy absorbing
• Thermoformable
• Temperature use to 180°F
• Recyclable
### PAMG 5052 Typical Mechanical Properties

<table>
<thead>
<tr>
<th>PLASCORE® HONEYCOMB DESIGNATION</th>
<th>COMPRESSION MODULUS (KSI)</th>
<th>PLATE SHEAR “L” DIRECTION</th>
<th>PLATE SHEAR “W” DIRECTION</th>
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<tbody>
<tr>
<td>CELL SIZE</td>
<td>Foam Type</td>
<td>STRENGTH (PSI)</td>
<td>MIN</td>
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<tr>
<td>3/16</td>
<td>.002</td>
<td>6.3</td>
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### PAHD Typical Mechanical Properties

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<tr>
<th>PLASCORE® HONEYCOMB DESIGNATION</th>
<th>COMPRESSION MODULUS (PSI)</th>
<th>STRENGTH (PSI)</th>
<th>CRUSH STRENGTH (PSI)</th>
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<tbody>
<tr>
<td>CELL SIZE</td>
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<td>MIN</td>
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### PC2 Polycarbonate Mechanical Properties

<table>
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### PP Honeycomb Core Mechanical Properties

<table>
<thead>
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<th>PLASCORE® HONEYCOMB DESIGNATION</th>
<th>COMPRESSION MODULUS (KSI)</th>
<th>PLATE SHEAR “W” DIRECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CELL SIZE</td>
<td>Foam Type</td>
<td>TYP</td>
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</tbody>
</table>

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