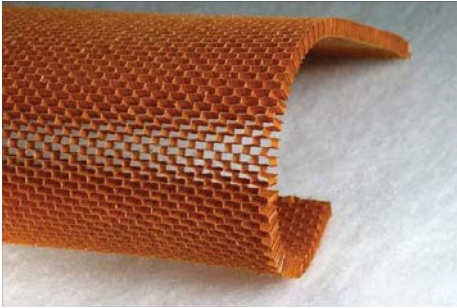


## Over-Expanded Aramid Honeycomb



Over-Expanded Aramid Honeycomb is a lightweight, high strength, nonmetallic honeycomb core material manufactured from aramid fiber paper with a 3/16" rectangular cell and a density of 3 pounds per cubic foot (PCF). The over-expanded cell shape allows the core to flex in one direction easily, making it suitable for forming simple curves. After the honeycomb is formed, it is coated with a heat resistant phenolic resin to increase its strength and thermal properties. Aramid Honeycomb exhibits high strength-to-weight ratio, exceptional stiffness and is very bondable.

### Physical Properties

Cell Size	3/16"
Density	3 PCF
Thickness	+/- .006" up to 2"
Material	Nomex® Paper-Commercial Grade
Nomex® Paper-Commercial Grade Features	<ul style="list-style-type: none"> <li>- High strength to weight ratio</li> <li>- Corrosion resistant</li> <li>- Excellent dielectric properties</li> <li>- Thermally insulating</li> <li>- High toughness</li> <li>- Excellent creep and fatigue performance</li> <li>- Good thermal stability</li> </ul>

### Technical Properties

Compressive Strength Bare	95 psi
Compressive Strength Stabilized	110 psi
Plate Shear Strength-L Direction	55 psi
Plate Shear Strength-W Direction	51 psi

All tests are per MIL-STD-401B, at core thickness of .500".  
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All the information contained in these properties is believed to be reliable. It is intended for comparison purposes only as each manufactured lot will exhibit variations. The user should evaluate the suitability of each product for their application. We cannot anticipate the variations in all end use and we make no warranties and assume no liability in connection with the use of this information.