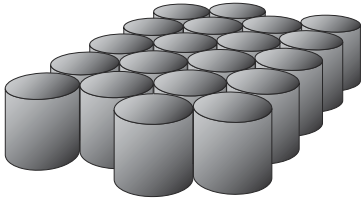


# PC2 Polycarbonate Honeycomb



## Description:

---

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.

## Applications:

---

PC2 polycarbonate honeycomb uses include wind tunnels – grilles, sandwich cores, radomes – antennae, skylights, energy absorbing structures and EMI/RFI shielding.

## Features:

---

- Excellent dielectric properties
- Good thermal and electric insulator
- Conductive grades available
- Fire resistant
- Corrosion resistant
- 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

## Availability:

---

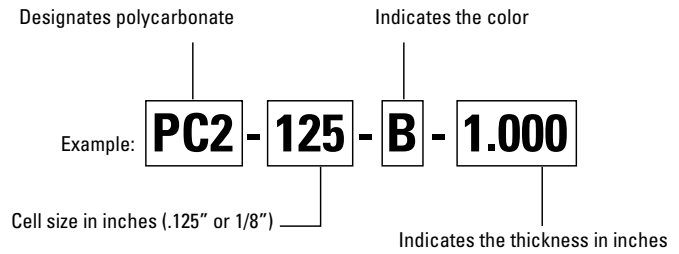
PC2 polycarbonate honeycomb is available in the following standard dimensions.

<b>Cell Sizes:</b>	1/8", 1/4", 3/8" and 1/2" (other sizes available upon request)
<b>Densities:</b>	4.0 to 20.0 pcf
<b>Thickness:</b>	.08" - 12.0"
<b>Sheet Length:</b>	150" max.
<b>Sheet Width:</b>	60" max.
<b>Tolerances:</b>	Length: ± .125" Width: ± .125" Thickness: ± .02" Density: ± 20%

**NOTE:** Special colors, dimensions, cell sizes, shapes, tolerances and mechanical properties can be provided upon request.

# PC2 polycarbonate honeycomb is specified as follows:

Material - Cell Size - Color - Thickness



## PC2 Polycarbonate Mechanical Properties

PLASCORE® Honeycomb Designation			Typical Bare Compressive	Typical Plate Shear	
CORE TYPE	CELL SIZE	DENSITY PCF	STRENGTH PSI	STRENGTH PSI	MODULUS KSI
PC2	1/8	5.0	275	130	3.8
PC2	1/4	4.0	165	80	3.0

Tested per MIL-STD-401 at room temperature.



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

**IMPORTANT NOTICE:** The information contained in these materials regarding Plascore's products, processes, or equipment, is intended to be up to date, accurate, and complete. However, Plascore cannot warrant that this is always the case. Accordingly, it is a purchaser's or user's responsibility to perform sufficient testing and evaluation to determine the suitability of Plascore's products for a particular purpose. Information in these materials and product specifications does not constitute an offer to sell. Your submission of an order to Plascore constitutes an offer to purchase which, if accepted by Plascore, shall be subject to Plascore's terms and conditions of sale. PLASCORE MAKES NO WARRANTIES OF ANY KIND REGARDING THESE MATERIALS OR INFORMATION, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Plascore owns and shall retain all worldwide rights in its intellectual property, and any other trademarks used in these materials are the property of their respective owners. The information in these materials shall not be construed as an inducement, permission, or recommendation to infringe any patent or other intellectual property rights of any third parties.



### 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