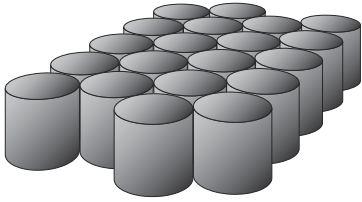


# PC2 Polycarbonate Honeycomb



## Description:

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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:

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

## Features:

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- 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:

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PC2 polycarbonate honeycomb is available in the following standard dimensions.

**Cell Sizes:** 3/32" - 1.0" (other cell sizes on request)

**Densities:** 4.0 to 20.0 pcf

**Thickness:** .08" - 12.0"

**Sheet Length:** 150" max.

**Sheet Width:** 60" max.

**Tolerances:** Length:  $\pm .125$ "

Width:  $\pm .125$ "

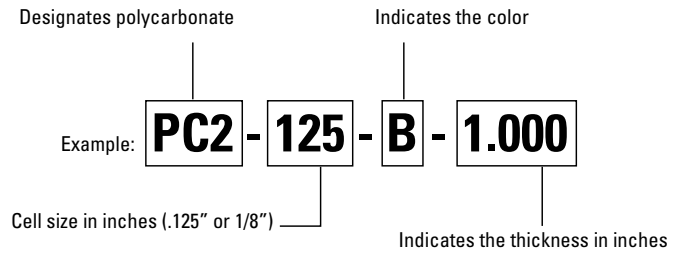
Thickness:  $\pm .02$ "

Density:  $\pm 20\%$

**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 AS/EN/JISQ 9100, ISO 9001:2008 and ISO 14001:2004 certified.

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