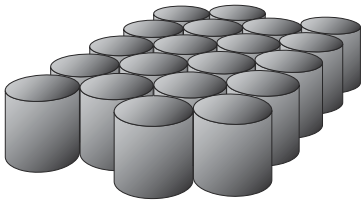


PC2 Polycarbonate Honeycomb



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:

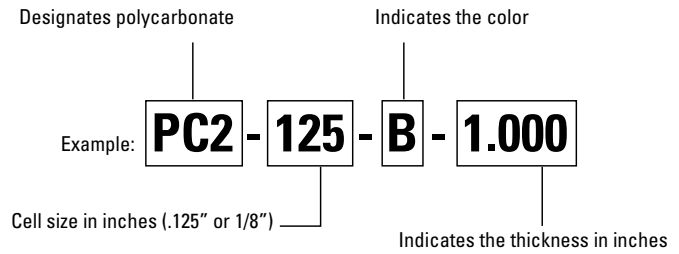
PC2 polycarbonate honeycomb is available in the following standard dimensions.

| | |
|----------------------|--|
| Cell Sizes: | 1/8", 1/4", 3/8" and 1/2" (other sizes available upon request) |
| Densities: | 4.0 to 20.0 pcf |
| Thickness: | .08" - 12.0" |
| Sheet Length: | 150" max. |
| Sheet Width: | 60" max. |
| Tolerances: | 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 ISO 9001 and ISO 14001 certified.

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