Corning® Pyroceram®
Code 9606
Corning® Pyroceram® glass-ceramic material is opaque, light gray in color, and has high strength, high elastic modulus, and uniform dielectric properties. It can be manufactured in ogival* shapes, hemispheres, pressware sheets, and various machined shapes.

* pointed arch

**Applications**

- Tactical Missile Nosecones
- Antenna Windows
- Radomes
- Solid Wave Guides
- Hydrospace Systems

**Dimensions**

- Ogival Shapes: Up to 48 inches long x 20 inches diameter
- Hemispheres: Up to 16 inches in diameter
- Pressware Sheets: Up to 27 inches x 27 inches x 1.0 inch or 17 inches x 17 inches x 2.0 inches

**Physical Properties**

- Water Absorption: < 0.01%
- Softening Point: 1350 °C; 2462 °F
- Gas Permeability: Impermeable
- Density: 2.6 g/cm³; 160 lb/ft³
- Elastic Modulus: 120 x 10⁶ kPa; 17.4 x 10⁶ psi

**Thermal Properties**

- Coefficient of Linear Expansion: 57 x 10⁻⁷/°C — 32 x 10⁻⁷/°F
  
  (20 °C - 320 °C; 68 °F - 608 °F)
- Thermal Conductivity: 0.0081 cal/(s·cm·°C) — 2 BTU·ft/(h·ft²·°F)
  
  (mean 20 °C - 800 °C — 68 °F - 1472 °F)
- Thermal Diffusivity: 0.0127 cm²/s — 0.049 ft²/h
  
  (mean 20 °C - 800 °C — 68 °F - 1472 °F)
- Specific Heat: 0.233 cal/(g·K) — 0.233 BTU/(lb·°F)
  
  (mean 20 °C - 800 °C — 68 °F - 1472 °F)

For more information about Corning’s Pyroceram® materials please contact:

**CORNING**

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