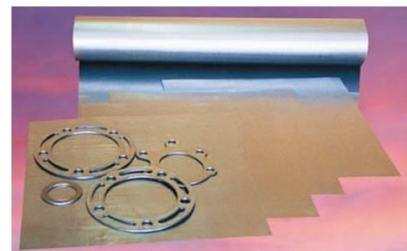


# Graphite Foil

Graphite foil is an excellent sealing material for high temperature, high-pressure transfer of liquids, gases, steam, chemicals and corrosives. It is manufactured from high purity, high crystalline natural graphite flakes, which are processed into continuous foil by special acid and thermal treatments to produce expanded graphite crystals. The expanded graphite crystals are then formed into foil through a calendaring process without any resins and binders.

- Rolls up to 60 inches wide, 1000 feet long
- Thickness range 0.006 to 0.060 inch (available in rolls)
- Thickness range 0.060 to 0.250 inch (available in sheets up to 60x60 in)
- Custom shapes & gaskets cut to print
- Volume discounts up to 50% - Call for pricing!!



<b>Graphite Foil Properties</b>	<b>Units</b>	<b>Nuclear Grade</b>	<b>High Purity</b>	<b>Standard Purity</b>
<b>Carbon Content</b>	<b>(%)</b>	<b>99.9</b>	<b>99.7</b>	<b>99</b>
<b>Sulfur Content</b>	<b>(ppm)</b>	<b>&lt; 200</b>	<b>300</b>	<b>1000</b>
<b>Chloride Content</b>	<b>(ppm)</b>	<b>0</b>	<b>10</b>	<b>45</b>
<b>Ash</b>	<b>(%)</b>	<b>0.0</b>	<b>0.5</b>	<b>1.0</b>
<b>Density</b>	<b>(g/cm<sup>3</sup>)</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>
<b>Tensile Strength</b>	<b>(Mpa)</b>	<b>6.5</b>	<b>5.5</b>	<b>4.5</b>
<b>Compressive Strength</b>	<b>(Mpa)</b>	<b>220</b>	<b>200</b>	<b>180</b>
<b>Compressing Modulus</b>	<b>(%)</b>	<b>120.0</b>	<b>120.0</b>	<b>120.0</b>
<b>Recovery</b>	<b>(%)</b>	<b>&gt; 10%</b>	<b>&gt; 10%</b>	<b>&gt; 10%</b>
<b>Specific Resistance</b>	<b>(μΩ-m)</b>	<b>10</b>	<b>7</b>	<b>5</b>
<b>Compatible pH</b>	<b>pH</b>	<b>0-14</b>	<b>0-14</b>	<b>0-14</b>
<b>Max Temp (in Air)</b>	<b>°C</b>	<b>450</b>	<b>450</b>	<b>450</b>
<b>Max Temp (in Steam)</b>	<b>°C</b>	<b>700</b>	<b>700</b>	<b>700</b>
<b>Max Temp (in Vacuum)</b>	<b>°C</b>	<b>3000</b>	<b>3000</b>	<b>3000</b>
<b>Availability</b>		<b>Special Order only</b>	<b>In Stock</b>	<b>In Stock</b>

Please contact: **Jerry Weinstein (518) 701-6722**  
Email: [jerryw@ceramaterials.com](mailto:jerryw@ceramaterials.com)  
For pricing: [www.ceramaterials.com](http://www.ceramaterials.com)

CeraMaterials is a major supplier of multiple lines of refractory materials which include graphite & carbon insulation, ceramic fiber materials, carbon composites and specialty refractories, including fused cast products.