



**MOMENTIVE**  
performance materials

Quartz



Advanced  
Material  
Solutions



## At Momentive Performance Materials – Quartz, we imagine, design, and manufacture products that fuel innovation.

From semiconductors, telecommunications, and transportation, to lighting, packaging, and consumer goods, our specialized quartz and ceramic products are key drivers in innovation, technological advancement, manufacturing productivity, and application functionality.

### Semiconductor Tubing

Our specialized properties meet or exceed stringent requirements of the semiconductor industry. Available in standard and special diameters, low alkali, low alkali/low aluminum, and low hydroxyl content.



### Lamp Tubing

Lamp-grade quartz for lighting applications in a variety of grades – standard, ozone free, UV blocking, UV transmittance, and low hydroxyl content.



### Fiber Optic Tubing

Intensify the properties of your fiber optics with Momentive's high quality synthetic quartz tubing and rods.

## Fused quartz materials and products for the semiconductor, fiber optic, and lighting industries

### Quartz Rods

High purity, elevated temperature characteristics, and low coefficient of thermal expansion are just a few of the many benefits of Momentive's fused quartz rods.



### Quartz Ingots

Our fused quartz solid-shaped ingots are the industry's choice for fabricating high-purity components for semiconductor manufacturing equipment.



### Quartz Crucibles

Momentive's fused quartz crucibles combine the high purity and high temperature properties required for pure semiconductor wafer applications. Sizes range from 12 - 32" in diameter.

Our mission is to deliver the most advanced materials and engineered solutions for your application. Our engineers are eager to work with you to solve problems. If a standard product isn't exactly what you need, we'll engineer a solution specifically for your requirements – confidentially and completely.

## It's the Momentive way. It's imagination at work.



### Boron Nitride and Titanium Diboride Powder

Momentive's high purity powders are used for mold release, refractory, plastics processing, Softouch\* personal care powder, PolarTherm\* thermal filler, and a variety of other applications.



### Hot Pressed Boron Nitride and Composite Shapes

These easily machinable, high-temperature ceramic shapes are used in semiconductor, metal, and glass forming refractory and other applications.

### Intermetallic Composites

We manufacture a wide range of boats made of BN & TiB<sub>2</sub> composites for use in vacuum metallization processes. We also offer flash evaporators for metallization applications.



Advanced ceramic (non-oxide) powders, hot-pressed and chemical vapor deposition shapes



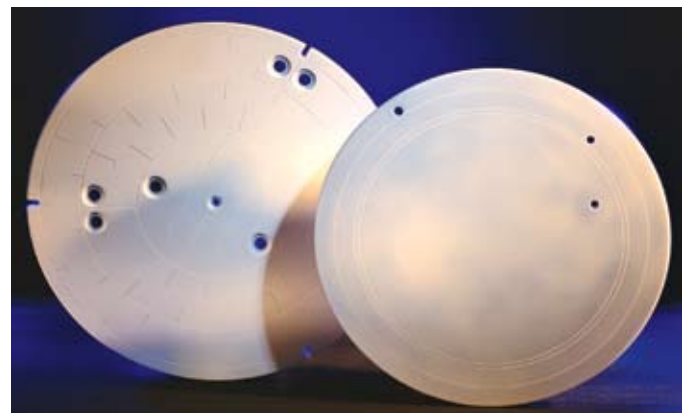
### Compound Semiconductor Solutions

Pyrolytic boron nitride crucibles, boats, and plate; and PBN, pyrolytic graphite, and metal carbide coatings are used in crystal growth, MBE, MOCVD, and other applications.



### Heaters and Electrostatic Chucks

Produced via a CVD process, these composites (typically PBN on pyrolytic graphite) are the next generation of technology for wafer processing and other demanding heater and chuck applications.



[www.momentive.com](http://www.momentive.com)

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