

Formulation Capability: High-Purity Quartz Materials

Unique Formulation Capability

Momentive offers the capability to modify quartz in high temperature melting regimes to achieve various targeted properties. The integration of our formulation expertise and our high-purity quartz materials enables Momentive to offer a unique solution. Our high-volume production capability can potentially reduce your cost of ownership. As a current supplier into highly-demanding industries, Momentive implements strict quality controls and processes.

Material Properties

With unique formulation capabilities, Momentive can modify various quartz properties and perform sophisticated in-house analytics to characterize the final product.

- Transmission spectra
- Index of refraction and dispersion
- Laser properties based on rare earth identity / content
- Maximum application temperature
- Coefficient of thermal expansion
- Thermal shock resistance
- Chemical durability
- Others

Available Forms

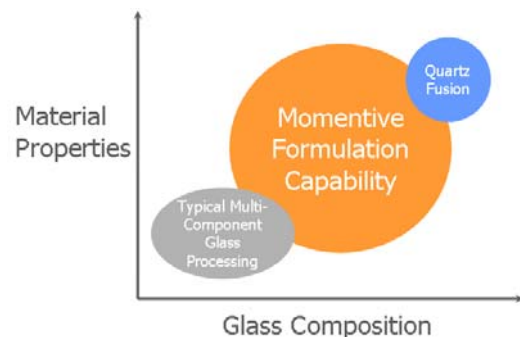
High-purity doped quartz material is available in the following forms, providing increased flexibility depending on the specific application:

- Large solid ingot (72" diameter, 21" height)
- Tubing (up to 600mm diameter)
- Rod (up to 50 mm diameter)
- Crucibles and other shapes

Existing Products

The following products with unique material properties are currently commercially-available:

UV blocking	Grades GE219, GE254
Opaque	Grade GE124 HDO
Lower softening point	Grades GE207, GE247, GE277



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