

Synthetic or Natural Fused Quartz

Momentive's electrically fused synthetic grade quartz combines the unique advantages of electric fusion and synthetic purity. The resulting product typically has intrinsically low hydroxyl levels and extremely low trace impurity levels.

Large format low-expansion quartz offers a cost-effective alternative to ULE[®] glass and other low expansion materials.

Available Forms

Momentive's synthetic grade quartz is available in the following forms, providing increased flexibility to support a variety of applications:

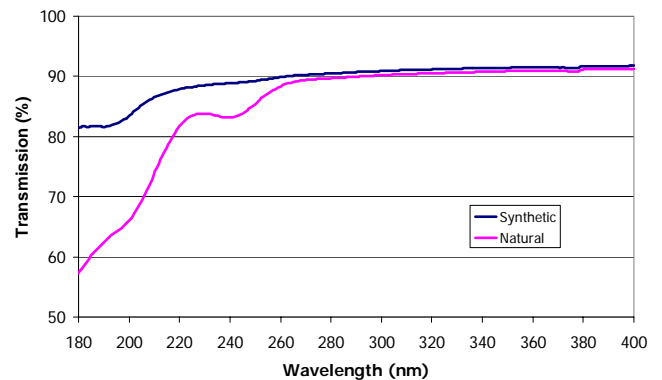
- Large solid ingot (72" diameter, 21" height)
- Tubing (up to 600mm diameter)
- Rod (up to 50 mm diameter)
- Crucibles and other shapes



Optical Transmission Properties

Momentive's synthetic grade quartz typically offers excellent ultraviolet (UV) transmission compared to quartz fused with natural sand due to the synthetic material's extremely low trace element levels. In addition, the intrinsically low hydroxyl level eliminates the "water peak" (2.73 micron) in the infrared (IR) range.

Transmission @ 1.5 mm Thickness



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