



CAPABILITIES

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Physical & Optical Properties of Fused Quartz

Fused quartz is made by electrically fusing or gas-oxygen flame fusing of pure natural quartz crystal. Fused quartz maintains the following characteristics:

- thermally stable with a low coefficient of linear expansion
- high working temperature
- good for transmission from the near UV to the near IR
- standard optical fabrication techniques can be used to polish it

FUSED QUARTZ HAS A
LARGE RANGE OF USES

Used in a Wide Range of Application Configurations

Fused quartz has a range of uses, including:

standard optical components

tubing and glassware for chemistry

flash tubes

test flats

view port windows, pressure windows

telescope mirrors, and optical component mirrors

vacuum chucks





~5,000lbs of Fused Quartz in Inventory

Advanced Glass Industries keeps ~5,000 lbs of fused quartz on hand. Depending on your application, fused quartz may be a lower cost alternative to fused silica. We offer a variety of fused quartz materials from **Heraeus** and **Tosoh Quartz**.

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