

FUSED QUARTZ SILICA GLASS

PRODUCT INFORMATION

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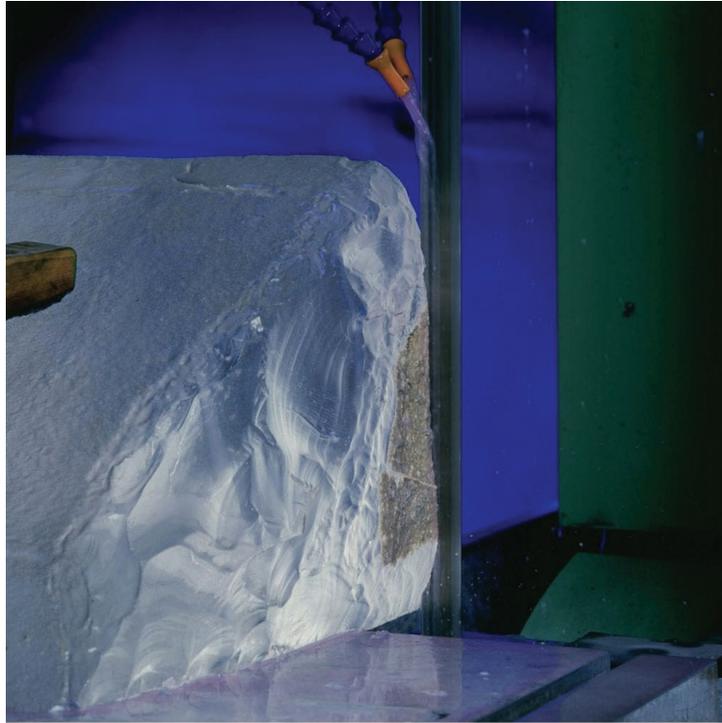
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PHILLIPS SAFETY
PRODUCTS INC.

PRODUCT INFORMATION

FUSED QUARTZ SILICA GLASS



Fused quartz is a glass that can tolerate extreme temperature ranges and provide thermal shock resistance. It differs from other glasses in the fact that no additional ingredients are required to lower the melt temperature, giving it much higher working and melting temperatures.

Fused quartz is developed by melting crystalline silica in sand or stone form. Often used in the same applications as fused silica, it has a significantly lower OH content. Fused quartz possesses a high degree of purity, high chemical resistance, good thermal shock resistance, and low thermal expansion coefficient.

Fused Quartz transmits ultraviolet very well, making it useful for lenses and optics for the ultraviolet spectrum. Its low coefficient of thermal expansion also makes it an ideal glass for precision mirror substrates. Fused Quartz is available up to 6" thick.

Many industries using fused quartz include: Specialty lighting; Laboratory; LED; Photovoltaic/solar; Telecommunications; Semiconductor engineering.

SPECIFICATION

Glass Type: Quartz

Features: High degree of purity, High chemical resistance, Good thermal shock resistance, Low thermal expansion coefficient

Application: Specialty lighting, Laboratory, LED, Photovoltaic/solar, Telecommunications, Semiconductor engineering

CONTACT

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