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Corning® Vycor® Quartz

Glass Type: Fused Quartz

Description

Corning® Vycor® is a material that is comparable to and sometimes used in place of either fused silica or fused quartz. It has good resistance to heat and thermal shock. Corning® Vycor® also has good transmission in the UV range. SGP can CNC mill, drill, cut, lap, and polish this material in many shapes, sizes, and surface finishes.

Thermal Properties		Mechanical Properties	
Thermal Coefficient of Expansion	(0/300°C): 7.5 X 10 ⁻⁷ /°C	Density	2.18.0/cm3
Annealing Point	1020°C/ 1868°F	Knoop Hardness	487
Softening Point	1530°C/ 2786°F	Young's Modulus	6.75 X 103 Kg/mm2
Strain Point	890°C/1634°F	Poisson's Ratio	.19

Chemical Properties		Electrical Properties	
Hydrolytic Resistance	N/A	Dielectric Constant	3.8
Acid Resistance	N/A	Resistivity	N/A
Alkali Resistance	N/A	Dielectric Strength	N/A

Optical Properties	
Refractive Index	1.458

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