
GE124 Quartz Glass Properties

GE 124 Quartz Glass

GE 124 is a worldwide industry standard for clear quartz material. It is a high purity, high transmittance, and high temperature material with a low hydroxyl (OH)⁻ content (<5ppm) and tight dimensional tolerances.

The typical applications include Microscope Slides and substrates for deposition of various thin films.

Properties	Value
Density	2.2 x 10 ³ kg/m ³
Refractive index	1.4585
Softening point	1683°C
Annealing point	1215°C
Strain point	1120°C
Hardness	5.5 - 6.5 Mohs Scale
Compressive Strength	1.1 x 10 ⁸ Pa
Tensile strength	4.8 x 10 ⁷ Pa
Electrical resistivity	@350°C: 7 x 10 ⁷ ohm/cm



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