

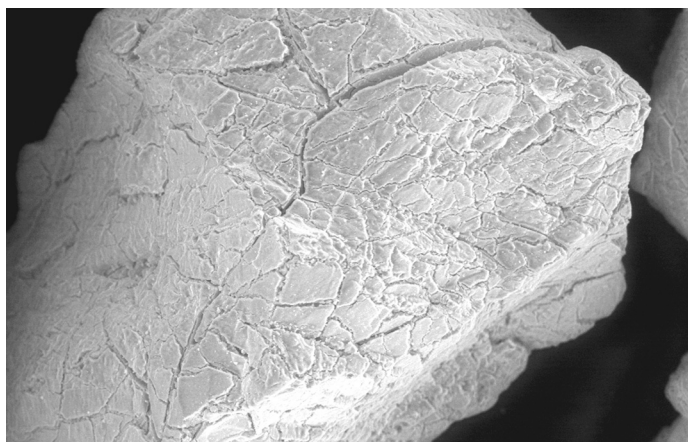
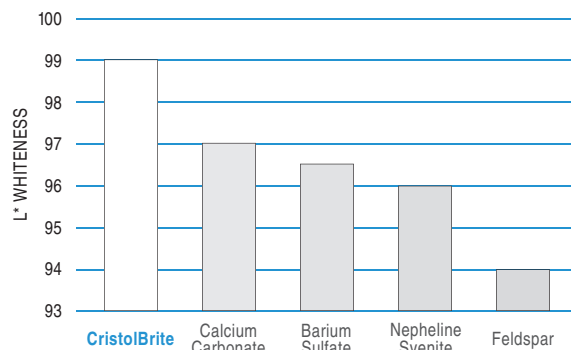
CristolBrite is thermally modified quartz, with rounded grain and narrow particle size. It is white, very bright, of high purity, does not absorb moisture and is chemically inert. CristolBrite is a highly engineered version of cristobalite, which we manufacture in our own plant, in the United States.



## Applications Include:

- Quartz Countertops
- Abrasives (polishing)
- Flattening Agent (clear coats, architectural and powder coatings)
- Anti-block (PE and PP films)
- High Wear Coatings (varnishes, clear coats, marine coatings)
- Filler (PET, sealants, caulks, rubber, resins)
- Pigment Extender (paints, caulks, powder coatings)

## Whiteness Comparison of Mineral Fillers



**(500x)** CristolBrite particles are characterized by a rounded grain morphology with a fissured surface and a high degree of whiteness.

## Features:

- High Whiteness and Brightness (L\* 99.0)
- High Hardness
- Fissured Surface
- Rounded Particles
- Inert Surfaces
- Low Moisture
- Low Density (2.33)

The data shown is based on average results for production samples and are subject to normal variation on individual tests. Accordingly, test data cannot be taken as established maximum or minimum specifications. All results are subject to change.

MSDS available upon request.

## CristolBrite Product Data

CristolBrite is a high purity silica, produced from synthesized cristobalite. Although cristobalite does occur rarely in nature, it is unsuitable for further processing for this application.

To achieve and control CristolBrite's unique characteristics, we utilize C.E.D. cristobalite, which is synthesized using a proprietary, solid state, high heat, manufacturing process.

## Physical Properties

Specific Gravity .....	2.33
Hardness (Mohs) .....	6.5
Refractive Index .....	1.48
Color (Hunter) L* .....	99.0
pH .....	8.5

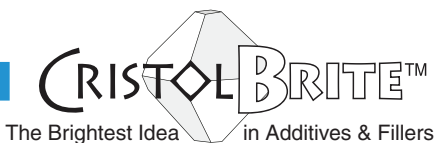
## Chemical Analysis, Wt%

SiO <sub>2</sub> .....	99.7
Al <sub>2</sub> O <sub>3</sub> .....	0.09
Fe <sub>2</sub> O <sub>3</sub> .....	0.04
Na <sub>2</sub> O .....	0.13
CaO .....	0.02
TiO <sub>2</sub> .....	0.02

## Available Particle Sizes

30 mesh to 2 micron.

Please contact us to discuss the proper size for your application.



A Product of: C.E.D. Process Minerals, Inc.