

# CB MINERALS

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INDUSTRIAL MINERALS SINCE 1897

## **SURFACE MODIFIED MICROCRYSTALLINE SILICA**

This mineral is surface modified with an Epoxy Silane designed for superior bonding and improved performance in Polymer systems. Two grades are offered with identical chemistry and differing particle size.

### **TYPICAL CHEMICAL SPECS**

SiO <sub>2</sub>	99.3
Fe <sub>2</sub> O <sub>3</sub>	0.04
Al <sub>2</sub> O <sub>3</sub>	0.10
TiO <sub>2</sub>	0.02
CaO	0.02
MgO	0.02

### **TYPICAL PHYSICAL SPECS**

Shape	Platelets in clusters
Spec. Gravity	2.65
Index of Refraction	1.55
pH	6.0-7.0
Hardness	7 mohs
LOI at 1000°C	0.2%
Oil absorption of the unmodified silica	17-20 spatula method

### **PARTICLE SIZE FOR TWO GRADES, as % passing**

Size	325 grade	1250 grade
75u 200 mesh	99%	100%
44u 325 "	93-98	99-100%
20u	--	94%
average	13 micron	9 micron

**ORIGIN** USA

**PACKING** 50 lb bags or pallets ; Super Sacks