

CHARLES B. CHRYSTAL CO., INC.

689 Mamaroneck Ave.
Mamaroneck, NY 10543
Tel: 914 777 3330 Fax: 914 777 3035
WEB SITE www.cbcrystal.com
E-MAIL info@cbcrystal.com
INDUSTRIAL MINERALS SINCE 1897

SILICA 5 MICRON

TYPICAL CHEMICAL ANALYSIS

Silicon Dioxide (SiO ₂)	99.70%
Iron Oxide (Fe ₂ O ₃)	0.023%
Aluminum Oxide (Al ₂ O ₃)	0.101%
Titanium Dioxide (TiO ₂)	0.019%
Calcium Oxide (CaO)	Trace
Magnesium Oxide (MgO)	Trace
Loss of Ignition at 1200°F	0.145%

PHYSICAL PROPERTIES

Specific Gravity	2.650
Refractive Index	1.547
pH	7.0
Porosity	Non-porous
Bulking Value	22.144 lb./gal. 0.04522 gal./lb.

SPECIFIC PROPERTIES:

Surface Area -- square meters / gram	2.06
Average Particle Size (microns)	1.9
Fineness of Grind (Hegman)	71/2
Bulk Density -- lb./gal. (tapped)	5.442
Apparent Bulk Density -- lb./cu. ft. (tapped)	40.7
Oil Absorption -- lbs. of oil / 100 lbs.	47.5
Oil Absorption -- lbs. of oil / 100 lbs. Spatula Rub Out	36.2
Water Absorption -- lbs. of water / 100 lbs. Spatula Rub Out	43.5
Dry Color	90
Moisture Content	0.05% Maximum