

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

#35 PRECIPITATED SILICA

This material is similar to smoked or fumed silica. It has an ultimate particle size on the order of .01 micron and is easily dispersed. Useful for thickening, flatting, flow control and absorption. This product has a high purity and is suitable for manufacturing food and health products or industrial products.

CHEMICAL ANALYSIS

Silica (dry basis)	98.0% Typical
Free Moisture (105° C)	Less than 7% typically 6%
Na ₂ SO ₄	1.5%
Fe ₂ O ₃	0.03%
Al ₂ O ₃	0.2%

PHYSICAL ANALYSIS

Appearance	White Powder
Whiteness	92+
pH	7.8 - 8.8
Density (bulk)	7.0 - 8.5 lbs/ cu. ft.
Refractive Index	1.45
Oil Absorption	270 gr. oil/ 100 gr.
Surface Area (BET)	190 sq. meter/ gr.
Ultimate Particle Size	.014 micron
Residue on 325 mesh (wet)	0.03%
Aggregate Particle Size	50 micron
LOI (1000° C x 2 hr)	5.0%

PACKING

20 lbs net multiwall paper bags
15 bags per wooden pallet