

Charsil™ Typical Analysis

Silica (Biogenic Opal, Opal A, Opal C)	75-80%
Carbon	20-25%
Volatiles	<5%
Trace Minerals	<3%
pH	9.4-9.8
Bulk Density*	11-14 lbs./ft. ³
Bagged material	18-22 lbs./ft. ³
Functional Specific Gravity (calculated from bulk density)	0.20
True Density (measured by gas pycnometer)	2.2 g/cm ³
True Specific Gravity	2.2
Single Point BET Surface Area (at P/Po 0.30291658)	59.00087 m ² /g

Particle Size Distribution

-12 mesh	99.33%
-20 mesh	89.27%
-40 mesh	53.71%
-60 mesh	26.11%
-100 mesh	13.04%
-200 mesh	4.31%

Moisture	3-5%
Melting Point	+3200° F
Insulating Value	
K Factor	0.441 BTU/hr/°F/in/ft. ²
R Value	2.26 BTU/hr/°F/in/ft. ²
D Factor	9.03 lbs./ft. ³

TCLP Metals Analysis

<u>Parameter</u>	<u>Result mg/L</u>	<u>Regulatory Limit mg/L</u>
Arsenic	0.010	5.0
Barium	0.260	100.0
Cadium	0.003	1.0
Chromium	<0.010	5.0
Lead	<0.015	5.0
Mercury	<0.002	0.2
Selenium	0.014	1.0
Silver	0.018	5.0

*This is a very light material and changes in moisture levels will affect bulk density.

Note: The information herein is, to the best of our knowledge typically accurate. Specific analysis may differ.