



# Pulverized Quicklime 100

## Calcium Oxide

Discovering what's possible with calcium

TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION

Pulverized Quicklime 100 is a milled quicklime that can be applied in many chemical and industrial applications where a small particle size and consistent quality are required. The consistency of Pulverized Quicklime 100 makes it ideal as a raw material for fiberglass, glass and steel applications.

TYPICAL CHEMICAL PROPERTIES	
CaO - Total	97.3%
CaO - Available	94.5%
LOI	1.0%
Acid Insoluble Substances	0.2%
MgO	0.54%
Al <sub>2</sub> O <sub>3</sub>	0.08%
Fe <sub>2</sub> O <sub>3</sub>	0.06%
SiO <sub>2</sub>	0.6%
S	0.03%
P <sub>2</sub> O <sub>5</sub>	117 ppm
MnO	21 ppm

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity	3.3
Median Particle Size	3 micron
pH	12.4
BET Surface Area	2.0 m <sup>2</sup> /g
Apparent Dry Bulk Density - Loose	40 lbs./ft <sup>3</sup>
Apparent Dry Bulk Density - Packed	60 lbs/ft <sup>3</sup>
Reactivity 30 sec.	33°C
Reactivity 180 sec.	53°C
Total Temperature Rise	55°C
Total Reactivity Time	240 sec.

- ✓ Meets the AWWA standard B202-02
- ✓ Certified to NSF standard 60
- ✓ Certified to ASTM standards:
- ✓ C977-03, C911-06, C602-06a,
- ✓ C821-78, C5-03

SCREEN ANALYSIS	
-100 Mesh (150 µm)	95.0%
-200 Mesh (75 µm)	90.0%
-325 Mesh (45 µm)	85.0%



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