



Quicklime Pulverized 100 Calcium Oxide

TECHNICAL DATA SHEET

Product Description

MLC™ Quicklime Pulverized 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 Quicklime Pulverized 100 makes it ideal as a raw material for fiberglass, glass, soil stabilization and steel applications.

Typical Chemical Properties

CaO – Available	95%
CaO - Total	98.0%
Carbon Dioxide (CO ₂)	0.6%
LOI	1.0%
Magnesium Oxide (MgO)	0.8%
Alumina (Al ₂ O ₃)	0.2%
Iron (Fe ₂ O ₃)	0.1%
Silica (SiO ₂)	0.7%
Sulfur (S)	0.05%
Phosphorus Oxide (P ₂ O ₅)	170 ppm
Manganese Oxide (MnO)	30 ppm

Product Size Graduation

-100 Mesh (150 µm)	99.5%
-200 Mesh (74 µm)	87%

Typical Physical Properties

Specific Gravity	3.3
pH	12.45
BET Surface Area	2.0 m ² /g
Apparent Dry Bulk Density – Loose	50 lbs./ft ³
Apparent Dry Bulk Density - Packed	60 lbs./ft ³
Reactivity 30 sec.	35 °C
Reactivity 180 sec.	54 °C
Total Temperature Rise	55 °C
Total Reactivity Time	280 sec

Available Certifications

- ✓ AWWA Standard: B202-19
- ✓ ASTM Standard: C977-18, C911-19, and C5-18



Certified to
NSF/ANSI/CAN 60

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