



PetroCal® OS100

Calcium Oxide

Discovering what's possible with calcium

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

PetroCal® OS100 is a calcium oxide designed for high performance petroleum and lubricant additive applications. PetroCal® OS100 is a high purity, slow reactive product required in tightly controlled petrochemical processes

TYPICAL CHEMICAL PROPERTIES	
CaO - Total	97.5%
CaO - Available	96.0%
CO ₂	0.5%
LOI	0.5%
Magnesium (MgO)	0.6%
Acid Insoluble Substances	0.2%
Alumina (Al ₂ O ₃)	0.08%
Iron (Fe ₂ O ₃)	0.05%
Silica (SiO ₂)	0.7%
Crystalline Silica	<0.1%
Sulfur (S)	0.01 %

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity	3.3
Median Particle Size	16 micron
pH	12.4
BET Surface Area	0.7 m ² /g
-100 Mesh (150 µm)	98%
-200 Mesh (75 µm)	85%
-325 Mesh (45 µm)	75%
Apparent Dry Bulk Density - Loose	58 lbs./ft ³
Apparent Dry Bulk Density - Packed	78 lbs/ft ³
Reactivity 30 sec.	10°C
Reactivity 180 sec.	30°C
Total Temperature Rise	50°C
Total Reactivity Time	650 sec.



tel: 800.437.5463
 email: sales@mississippilime.com
 www.mississippilime.com

All information provided and recommendations made herein are intended to assist customers in determining whether our products are suitable for their applications. We request that customers inspect and test our products before use in order to make their own final decision regarding suitability. We do not guarantee results, freedom from patent infringement, or suitability of resultant products for any suggested application with respect to the use of any formula or material described herein.