



# PolyCal® OS325

## Calcium Oxide

Discovering what's possible with calcium

TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION

PolyCal® OS325 is a calcium oxide designed as a desiccant for rubber, plastic and polymer processing. The controlled particle size, efficient adsorption properties and slow reactivity of PolyCal® OS325 result in optimum moisture control for demanding applications.

TYPICAL CHEMICAL PROPERTIES	
CaO - Total	97.3%
CaO - Available	94.5%
CO <sub>2</sub>	0.4%
LOI	0.5%
Magnesium (MgO)	0.5%
Acid Insoluble Substances	0.2%
Alumina (Al <sub>2</sub> O <sub>3</sub> )	0.08%
Iron (Fe <sub>2</sub> O <sub>3</sub> )	0.05%
Silica (SiO <sub>2</sub> )	0.75%
Crystalline Silica	<0.1%
Sulfur (S)	0.01 %
Manganese (MnO)	15 ppm

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity	3.3
Median Particle Size	11 micron
pH	12.4
BET Surface Area	0.7 m <sup>2</sup> /g
-100 Mesh (150 µm)	99.9%
-200 Mesh (75 µm)	99.8%
-325 Mesh (45 µm)	99.0%
Apparent Dry Bulk Density - Loose	58 lbs./ft <sup>3</sup>
Apparent Dry Bulk Density - Packed	78 lbs/ft <sup>3</sup>
Reactivity 30 sec.	11°C
Reactivity 180 sec.	33°C
Total Temperature Rise	54°C
Total Reactivity Time	620 sec.



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