

Calcium Oxide Powder



NS6130-12-000282

APS
1 μ m



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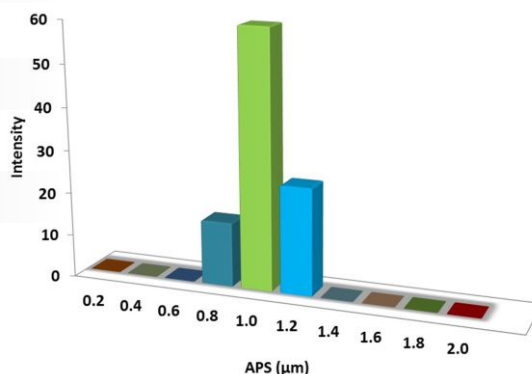
Calcium Oxide Powder

Calcium oxide has a medium viscosity and a high surface tension, plus a high to intermediate expansion and contraction rate. This material isn't volatile at ceramic temperatures. Calcium oxide has a moderate effect on colour, except in large amounts when it may have a bleaching effect on iron oxide. Calcium is essential to animal life as the constituent of bones, shells, and teeth. The most common of the calcium compounds are calcium carbonate which the potter uses as a source of calcium oxide for glazes.

Calcium oxide is widely used in industry, e.g., in making porcelain and glass; in purifying sugar; in preparing bleaching powder, calcium carbide, and calcium cyanamide; in water softeners; and in mortars and cements. In agriculture it is used for treating acidic soils (liming). Calcium oxide (CaO) can be used as bactericides, adsorbents, and in particular as destructive adsorbents for toxic chemical agents because it has relatively less toxicity and no recorded endocrine disruptive effect.

Quick Facts

Product	:	Calcium Oxide Powder
Stock No	:	NS6130-12-000282
CAS	:	1305-78-8
Purity	:	>99.9%
Color	:	White
Form	:	Powder



Technical Specification

Formula	APS	Molecular Weight	Melting Point
CaO	1µm	56.08g/mol	2,613 °C

Chemical Composition

Product	Weight Percent (nominal)
Calcium Oxide Powder	CaO >99.9%

Applications

- Porcelain and Glass
- Purifying Sugar
- Water Softeners
- Mortars and Cements

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