



Changsha RuiYang Material Co., Ltd.
长沙金睿洋新材料有限公司

Technical Data Sheet

Calcium Oxide (Quicklime)

Product: Calcium Oxide (Quicklime)

Molecular Formula: CaO

Molecular Weight: 56.08 g/mol

Cas No.: 1305-78-8

Density: 3.34 g/cm³

UN No. Non-hazardous for transport (reacts exothermically with water)

HS Code: 25221000

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
CaO content	≥90.0%	≥85.0%	92.0%
Loss on ignition	≤5.0%	≤8.0%	3.8%
SiO ₂	≤3.0%	≤5.0%	2.2%
MgO	≤2.0%	≤3.0%	1.5%
Fe ₂ O ₃	≤1.0%	≤2.0%	0.6%
Reactivity (slaking)	≥5 min	≥3 min	6 min

Chemical Properties

Chemical Properties: White to grayish lumps, granules or powder. Density: 3.34 g/cm³.

Changsha RuiYang Material Co., Ltd.

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