Coated Calcium Carbonate Powder 70

CAS Number: 471-34-1
Chemical Formula: $CaCO_3$

PRODUCT DESCRIPTION

Coated Calcium Carbonate Powder 70 is a high-purity, surface-treated calcium carbonate powder designed for use as a functional mineral filler in industrial formulations. It offers high whiteness, controlled particle size distribution and low moisture content, making it suitable for applications in paints, coatings, plastics, paper and ceramics.

KEY FEATURES

- High calcium carbonate purity (≥ 98%)
- Excellent whiteness (≥ 98%)
- Surface-treated with 1% coating
- Controlled particle size distribution
- Low moisture content
- Suitable for a range of industrial filler applications

APPLICATIONS

- Paints and coatings
- Plastics and polymer compounds
- Paper manufacturing
- Ceramic formulations
- Industrial mineral filler applications

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LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PRODUCT SPECIFICATIONS

PARAMETER	SPECIFICATION
Whiteness	≥ 98%
Moisture Content	≤ 0.2%
Specific Gravity	2.7 g/cm³
Oil Absorption	24 mL/100 g
pH	8.0–9.0
Bulk Density	0.7 g/cm³
Coating Content	1%
Calcium Carbonate ($CaCO_3$)	≥ 98%
Iron Oxide (Fe_2O_3)	≤ 0.02%
Silicon Dioxide (SiO_2)	≤ 0.02%
Magnesium Oxide (MgO)	≤ 0.02%
Aluminium Oxide (Al_2O_3)	≤ 0.016%
Average Particle Size (D50)	18 ± 0.5 μm
Top Cut (D97)	70 ± 2 μm

PACKAGING
Supplied in 25 kg PP/PE bags.

STORAGE & HANDLING
Store in a cool, dry and well-ventilated area, away from moisture and direct exposure to the elements. Keep bags securely sealed when not in use to prevent contamination and moisture absorption. Handle using appropriate dust-control measures.

SAFETY
Avoid inhalation of dust and prolonged contact with skin and eyes. Wear appropriate personal protective equipment, including gloves, safety glasses and respiratory protection where necessary. Refer to the Safety Data Sheet (SDS) for detailed handling, storage and safety information.