



Calcium Carbonate M4

CAS Number: 471-34-1

Chemical Formula: CaCO_3

DESCRIPTION

Calcium Carbonate M4 is a very fine calcium carbonate powder with good dispersion properties, manufactured from high-purity white calcium carbonate. It is suitable for a wide range of industrial applications where high brightness, fine particle size, and consistent mineral composition are required.

KEY FEATURES

- High calcium carbonate purity
- Fine particle size for improved dispersion
- High brightness and whiteness
- Low impurity levels
- Consistent mineral composition
- Suitable for polymer, adhesive, rubber, paper, and coating systems

APPLICATIONS

- Polyolefin compounds and masterbatches
 - PVC pipes and sheets
 - PVC profiles, injection mouldings, and coatings
 - Paper pulp
 - Rubber and rubber compounds
 - Adhesives and sealant compounds
 - Paints and coatings
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TYPICAL SPECIFICATIONS

Parameter	Specification
Calcium Carbonate (CaCO_3)	> 98.5 %
Magnesium Oxide (MgO)	< 0.02 %
Silicon Dioxide (SiO_2)	< 0.03 %
Ferric Oxide (Fe_2O_3)	< 0.02 %
Aluminium Oxide (Al_2O_3)	< 0.02 %
Average Particle Size (D50)	$4.5 \pm 2 \mu\text{m}$
Topcut (D97)	$19 \pm 2 \mu\text{m}$
Oil Absorption	16 g/100 g
Whiteness	98 % (min)
Brightness	95 % (min)
Moisture	0.2 %
Specific Gravity	2.7 g/cm ³
Hardness	3 Mohs



**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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PACKAGING

25 kg PP / PE bags or Kraft paper bags

STORAGE & HANDLING

Store in a cool, dry, and well-ventilated area. Keep packaging tightly sealed to prevent moisture uptake and contamination. Avoid excessive dust generation during handling.

SAFETY

Avoid inhalation of dust and contact with eyes. Use appropriate personal protective equipment during handling. Refer to the Safety Data Sheet for detailed safety and regulatory information.