



Calcium Carbonate – 40 Micron

CAS Number: 471-34-1

Chemical Formula: CaCO_3

Calcium Carbonate (CaCO_3) 40 Micron is a coarse-grade mineral filler tailored for industrial applications requiring moderate reinforcement and excellent whiteness. With a D50 particle size of $40 \pm 2.5 \mu\text{m}$, it offers reliable processing performance across plastics, rubber, construction, and coatings formulations.

KEY FEATURES

- Coarse particle size (D50 ~ $40 \mu\text{m}$) for optimal dispersion
- High whiteness and brightness
- Consistent sizing with low moisture and iron content
- Excellent processing stability and compatibility
- Versatile filler across multiple applications

APPLICATIONS

- PVC pipes, conduits, and profiles
- Construction adhesives and dry-mix mortars
- Rubber and elastomeric compounds
- Paints, industrial coatings, and sealants
- Compression moulding and thermoset fillers

TECHNICAL SPECIFICATIONS

Parameter	Specification
CaCO_3 Content (%)	≥ 98.5
MgO (%)	≤ 0.15
Fe_2O_3 (%)	≤ 0.025
Al_2O_3 (%)	≤ 0.03
SiO_2 (%)	< 0.15
Na_2O (%)	≤ 0.10
Loss on Ignition (%)	42.91
Whiteness (%)	≥ 98
Brightness (%)	≥ 97
Oil Absorption (g/100g)	> 24
Acid Stearic (%)	0
Moisture (%)	≤ 0.20
pH (25 °C)	8 – 9
Hardness (Mohs)	3
DOP Absorption	36 – 37
Surface Density (g/cm ³)	2.7
D50 Particle Size (μm)	40 ± 2.5





**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

Available in 25 kg PE-lined bags or 1000 kg jumbo and 1400kg bulk bags.

STORAGE & HANDLING

Store in a cool, dry, and well-ventilated area. Avoid exposure to moisture. Keep containers tightly closed when not in use. Practice good housekeeping to prevent accumulation of dust.

SAFETY

Not classified as hazardous under normal use. Avoid inhalation of dust. Use in well-ventilated areas and employ appropriate dust control measures. Wear suitable personal protective equipment (PPE) including dust masks and eye protection. Refer to Safety Data Sheet (SDS) for full safety guidelines.