

# Calcium Carbonate

CAS No.: 471-34-1

High-purity ground calcium carbonate (GCC) with superior whiteness and consistent particle size distribution. Produced from high-grade calcite deposits through controlled grinding and classification.

## Chemical Composition

Parameter	Typical Value	Specification / Range
CaCO <sub>3</sub> (Calcium Carbonate)	98.00 % min	95 – 98 %
MgO (Magnesium Oxide)	2.50 % max	1.0 – 2.5 %
SiO <sub>2</sub> (Silicon Dioxide)	1.50 % max	0.5 – 1.5 %
Fe <sub>2</sub> O <sub>3</sub> (Iron Oxide)	0.20 % max	0.05 – 0.20 %
Al <sub>2</sub> O <sub>3</sub> (Alumina)	0.20 % max	0.05 – 0.20 %
Whiteness (ISO)	96 % min	94 – 98 %
Moisture	< 0.20 %	< 0.20 %

## Physical Properties

Parameter	Typical Value	Specification / Range
Bulk Density (Loose)	0.55 g/ml	Typical
Bulk Density (Tapped)	0.91 g/ml	Typical
pH (10% slurry)	9.0 – 9.5	Typical
Available Mesh Sizes	200 / 400 / 800	Standard grades
Specific Gravity	2.70 g/cm <sup>3</sup>	Typical

## Applications

- Plastics & PVC compounding
- Rubber compounding
- Paints & coatings (extender)
- Construction fillers & putty
- Paper industry (filler/coating)

**Packaging:** 50 kg HDPE bags / Jumbo bags

The values shown are typical industry specifications sourced from published technical references. Actual values may vary by source and lot. It is the customer's responsibility to verify suitability for their specific application. This TDS does not constitute a warranty of any kind.