

Dolomite Powder

CAS No.: 16389-88-1

Natural calcium-magnesium carbonate [CaMg(CO₃)₂] powder with high combined carbonate purity. Harder and denser than calcite; resistant to acid attack and provides both CaO and MgO functionality.

Chemical Composition

Parameter	Typical Value	Specification / Range
CaCO ₃ (Calcium Carbonate)	53.60 %	50 – 55 %
MgCO ₃ (Magnesium Carb.)	42.00 %	40 – 45 %
CaO (Calcium Oxide)	31.70 %	30 – 33 %
MgO (Magnesium Oxide)	20.50 %	19 – 22 %
SiO ₂ (Silicon Dioxide)	5.50 % max	2 – 5.5 %
Fe ₂ O ₃ (Iron Oxide)	0.30 % max	0.02 – 0.30 %
Al ₂ O ₃ (Alumina)	0.50 % max	0.04 – 0.50 %

Physical Properties

Parameter	Typical Value	Specification / Range
Combined Impurities	< 7.00 %	Industrial max
Specific Gravity	2.85 g/cm ³	Typical
Hardness	3.5 – 4 Mohs	Typical
Available Mesh Sizes	200 / 325	Standard grades

Applications

- Glass manufacturing (network modifier)
- Construction fillers & concrete
- Steel-making flux & slag conditioner
- Ceramics & refractories
- Agricultural soil pH correction

Packaging: 50 kg HDPE bags / Bulk

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.