

CALCIUM CARBONATE



General Information

Chemical Formula	CaCO ₃	
Synonym	Limestone; Chalk; Calcite; Carbonic acid calcium salt (1:1)	
Origin	China	
H.S. Code	2836.50.00	
CAS No.	471-34-1	
Molecular Weight	100.09 g mol ⁻¹	

Application

Construction Industry	<ul style="list-style-type: none">A raw component of cement or as a starting material for lime which is important for materials such as glass by burning in a kiln.Also used to make mortar for bonding, building materials such as bricks, concrete blocks, stones and tiles.
Plastic Industry	<ul style="list-style-type: none">Used as filler in plastics to improve mechanical properties such as tensile strength and elongation and electrical properties such as volume resistivity.Polypropylene compounds are filled with calcium carbonate to increase rigidity, especially to withstand high temperatures.Also used as filler in thermosetting resins and is mixed with other ingredients to form compression moulded poker chips.
Ceramics Industry	<ul style="list-style-type: none">Commonly used for many glazes in its white powdered form. Ground calcium carbonate will not scratch most materials such as glass and ceramics and have a moderate effect on softer metals such as copper.

Specification

Property	Units	Value
Appearance	-	White powder
Purity	%	99.0
Density at 25 °C	g/mL	2.93
Melting point	°C	1339
Boiling point	-	decomposes
Solubility in Water	-	insoluble
Storage condition	°C	25

Packaging

- 1000 @ 25 kg PP bag without pallet, 25 MT / 20' FCL
- 1080 @ 25kg PP/PE bags, 27 MT / 20' FCL
- 680 @ 25kg PP/PE bag, 17 MT / 20' FCL