

Barium Carbonate

AP Powder Grade

Chemical Name: Barium Carbonate, Barium Monocarbonate

Chemical formula: BaCO₃

Molecular weight: 197.35 g/mol

CAS No.: 513-77-9

HS Code: 28366000

Appearance

White powder, Soluble in acid, Insoluble in water, Poisonous

Properties

Barium carbonate is a white, odorless, slightly soluble in water, slightly soluble in ethanol ; Barium carbonate is a basic carbonate of barium.

Usage

Manufacture of construction materials, Caustic soda, ceramics, magnetic materials, various barium salts; also used as chemical reagent, etc.

Packing

25kg/1,000kg Plastic Woven Bag

Typical Properties

| | | | |
|----------------------------------|-----------------------------------|-----------------------|--------------------|
| Bulk Density | 0.40 g/cm³ Min. | HCL Insoluble Matter | 0.25% Max. |
| Purity | 99.20% Min. | Iron (Fe) | 0.004% Max. |
| Moisture | 0.30% Max. | +325 Mesh | 3.00% Max. |
| Total Sulphur as SO ₄ | 0.30% Max. | Average Particle Size | 2-5µm |

Barium Carbonate

AP High Efficiency Grade

Chemical Name: Barium Carbonate, Barium Monocarbonate

Chemical formula: BaCO₃

Molecular weight: 197.35 g/mol

CAS No.: 513-77-9

HS Code: 28366000

Appearance

White powder, Soluble in acid, Insoluble in water, Poisonous

Properties

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Usage

Manufacture of construction materials, Caustic soda, ceramics, magnetic materials, various barium salts; also used as chemical reagent, etc.

Packing

25kg/1,000kg Plastic Woven Bag

Typical Properties

| | | | |
|----------------------------------|-----------------------------------|-----------------------|--------------------|
| Bulk Density | 0.40 g/cm³ min. | Iron (Fe) | 0.004% Max. |
| Purity | 99.20% Min. | +325 Mesh | 3.00% Max. |
| Moisture | 0.30% Max. | Average Particle Size | 1-3µm |
| Total Sulphur as SO ₄ | 0.30% Max. | Reaction Efficiency | 85% Min. |
| HCL Insoluble Matter | 0.25% Max. | | |

Barium Carbonate

AP Free Flowing Powder Grade

Chemical Name: Barium Carbonate, Barium Monocarbonate

Chemical formula: BaCO₃

Molecular weight: 197.35 g/mol

CAS No.: 513-77-9

HS Code: 28366000

Appearance

White powder, Soluble in acid, Insoluble in water, Poisonous

Properties

Barium carbonate is a white, odorless, slightly soluble in water, slightly soluble in ethanol ; Barium carbonate is a basic carbonate of barium.

Usage

Manufacture of special glass (glassy shell of video picture tube), construction materials, magnetic materials, various barium salts; also used as chemical reagent, etc.

Packing

25kg/1,000kg Plastic Woven Bag

Typical Properties

| | | | |
|----------------------------------|---------------------------------|-----------------------|--------------------|
| Bulk Density | 0.8-1.6 g/cm³ | HCL Insoluble Matter | 0.25% Max. |
| Purity | 99.20% Min. | Iron (Fe) | 0.004% Max. |
| Moisture | 0.30% Max. | +325 Mesh | 1.00% Max. |
| Total Sulphur as SO ₄ | 0.30% Max. | Average Particle Size | 12-20µm |

Barium Carbonate

AP High Purity Grade

Chemical Name: Barium Carbonate, Barium Monocarbonate

Chemical formula: BaCO₃

Molecular weight: 197.35 g/mol

CAS No.: 513-77-9

HS Code: 28366000

Usage

Manufacture of electronic components, such as OLED glass, ceramics capacitor, PTC, MLCC, etc.

Packing

25kg Plastic Woven Bag

Appearance

White powder, Soluble in acid, Insoluble in water, Poisonous

Properties

White powder, nonpoisonous, nearly insoluble in water, alcohol, and acid, excellent stability, moderate hardness, high luster, high whiteness, absorbing X-ray and other poisonous radial.

Typical Properties

| | | | |
|-------------------|---------------------|----------------|--------------------|
| BaCO ₃ | 99.50% Min. | Magnesium (Mg) | 3ppm Max. |
| Strontium (Sr) | 1500ppm Max. | Iron (Fe) | 5ppm Max. |
| Potassium (K) | 10ppm Max. | Chloride (Cl) | 50ppm Max. |
| Sodium (Na) | 10ppm Max. | Sulphate (S) | 100ppm Max. |
| Calcium (Ca) | 100ppm Max. | | |

Barium Carbonate

AP Compacted Granular Grade

Chemical Name: Barium Carbonate, Barium Monocarbonate

Chemical formula: BaCO₃

Molecular weight: 197.35 g/mol

CAS No.: 513-77-9

HS Code: 28366000

Appearance

White powder, Soluble in acid, Insoluble in water, Poisonous

Properties

Barium carbonate is a white, odorless, slightly soluble in water, slightly soluble in ethanol ; Barium carbonate is a basic carbonate of barium.

Usage

Manufacture of special glass (glassy shell of video picture tube), construction materials, ceramics, magnetic materials, various barium salts; also used as chemical reagent, etc.

Packing

25kg/1,000kg Plastic Woven Bag

Typical Properties

| | | | |
|----------------------------------|---------------------------------|-------------------------|--------------------|
| Bulk Density | 1.5-1.8 g/cm³ | Iron (Fe) | 0.005% Max. |
| Purity | 99.20% Min. | Chloride (Cl) | 0.01% Max. |
| Moisture | 0.30% Max. | Particle Size +850 Mesh | 1.00% Max. |
| Total Sulphur as SO ₄ | 0.30% Max. | Particle Size -105 Mesh | 15.0% Max. |