



Chem-Metals & Rare Earth

■ Calcium Carbonate



Electronic Grade Calcium Carbonate is insoluble in water and soluble in acid. It is mainly used as raw material for PTC components, such as thermistors, capacitors, degaussing elements and heater elements. and also finds application in luminescent materials.

Formula	CaCO ₃
Appearance	White Powder
Molecular weight	100.09
Density	2.71g/cm ³
Melting Point	1339°C
CAS No.	471-34-1

No.	Item	Standard Specification				
1	CaCO ₃ ≥	99.9%				
2	Impurity PCT Max each	Sr/Na	Ba/Al	K/Cd/Cr/Cu/Ni/Pb	Mg/Cl	Fe
		0.01	0.002	0.0005	0.005	0.001
3	Size (D50) ≤	1μm				
4	Packing	25kgs in plastic bags with polypropylene fabric bag outside				

■ Cobalt Oxide



Formula	CoO	Co ₃ O ₄
Appearance	Tan Powder	Black Powder
Molecular weight	74.93	240.80
Density	6.45g/cm ³	6.11g/cm ³
Melting Point	1785°C	895°C
CAS No.	1307-96-6	1308-06-1

Cobalt Oxide is insoluble in water and soluble in acid. It is usually used to produce electromagnetic material, pigment, semiconductor and anode material for nickel-cadmium battery. Cobaltous Oxide is easy to absorb moisture, soluble in nitric acid. It is usually used to produce lithium cobalt oxide as anode material, make hard alloy, magnetic material or other applications.

No.	Item	Standard Specification	
1	Type	CoO	Co ₃ O ₄
2	Cobalt	77.5-78.5%	72.6-73.6%
3	Impurity PCT Max each	Ni	0.02
		Fe	0.005
		Ca/Mg	0.005
		Na/Si	0.005
		Mn/Zn	0.003
		Cu	0.003
4	Size	≤0.45μm	4-6μm
5	Packing	In plastic bag with iron drum outside, 25kg net	