

# Cobalt II

## Oxide Powder



NS6130-12-000904

APS  
40-60µm



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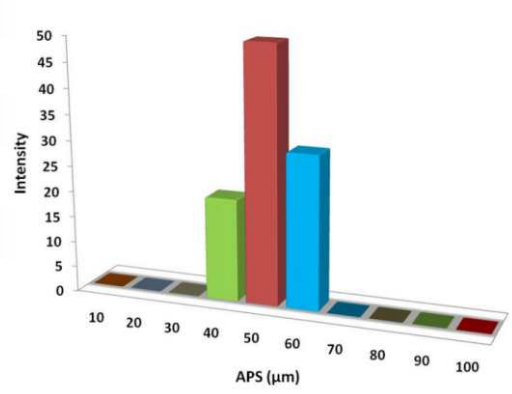
# Cobalt II Oxide Powder

Cobalt (II, III) oxide is an inorganic compound. It is a black antiferromagnetic solid and commercial ceramic grades of cobalt oxide will often produce glaze specking. Cobalt oxide is typically insoluble in aqueous solutions (water) and extremely stable. Because of its stability, it is useful in ceramic structures such as simple as producing clay bowls to advanced electronics and in lightweight structural components in aerospace and electrochemical applications, for instance, fuel cells in which they manifest ionic conductivity.

This powder is utilized in lithium-ion batteries. It is also applied in glass, ceramics, inks, paints, and varnishes. It is also utilized as electroplating for its attractive appearance. Cobalt Oxide is used in glazes, glass, and enamels and it the most powerful ceramic colorant.

## Quick Facts

Product	:	Cobalt II Oxide Powder
Stock No	:	NS6130-12-000904
CAS	:	1307-96-6
Purity	:	99.5%
Color	:	Black/Gray
Form	:	Powder



## Technical Specification

Formula	APS	Molecular Weight	Melting Point
CoO	40-60µm	74.93 g/mol	1933 °C

## Chemical Composition

Product	Weight Percent (nominal)	
	CoO	Other Metal
Cobalt II Oxide Powder	99.5%	0.1%

## Applications

- Ceramics
- Lithium ion batteries
- Enamels

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