

Cadmium

Oxide Powder







NS6130-12-001272

APS
40-60 μ m



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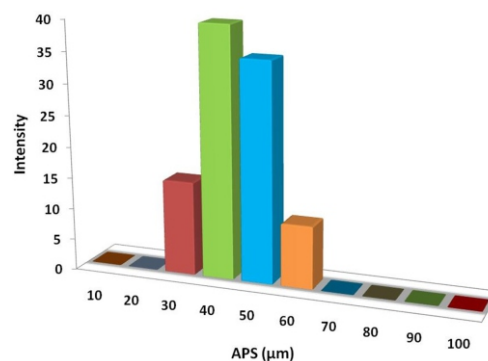
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Cadmium Oxide Powder

Cadmium oxide is an inorganic compound and it shows interesting properties such as electrical, optical and band gap of 2.3eV. It is a conductive material and also n type semiconductor. The size, shape and boundaries can be modified to get change in the dielectric properties. It is dielectric material and improvement in dielectric materials for the applications in cellular phones and communicating systems. It is usually available in various colors owing to its ability to form defect structures resulting anion vacancies.

Quick Facts

| | | |
|----------|---|----------------------|
| Product | : | Cadmium Oxide Powder |
| Stock No | : | NS6130-12-001272 |
| CAS | : | 1306-19-0 |
| Purity | : | 99.9% |
| Color | : | Brown, Red-Brown |
| Form | : | Powder |



Technical Specification

| Formula | APS | Molecular Weight | Melting Point | Density |
|---------|---------|------------------|---------------|------------------------|
| CdO | 40-60µm | 128.41 g/mol | 900-1000°C | 8.15 g/cm ³ |

Chemical Composition

| Product | Weight Percent (nominal) | |
|----------------------|--------------------------|-------------|
| | CdO | Other Metal |
| Cadmium Oxide Powder | 99.9% | 900ppm |

Applications

- Communication systems
- Electronics
- Semiconductors

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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

