

NS6130-02-256

CADMIUM SELENIDE

Nanoparticles

Quick Facts

Product	:	Cadmium Selenide Nanoparticles
Stock No	:	NS6130-02-256
CAS	:	1306-24-7
Molecular Formula	:	CdSe
Form	:	Powder

Purity
99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
191.37 g/mol	5.81 g/cm ³	1268 °C	40-80nm

Cadmium selenide is II-VI semiconductor compound with 1.67 eV energy gap (≈ 300 K) and high stopping power for nuclear radiation. Its crystalline structure is hexagonal and it is used in solar cells, transistors, light emitting diodes, electroluminescent devices, nuclear radiation detectors at room temperature and nonlinear optical devices.

Application

- ✓ Opto-electronic devices
- ✓ Laser diodes
- ✓ Biomedical imaging
- ✓ Nanosensing
- ✓ High-efficiency solar cells
- ✓ Thin-film transistors



CdSe
APS 40-80nm



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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
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