

NS6130-02-245

CADMIUM SELENIDE

Nanoparticles

Quick Facts

Product	:	Cadmium Selenide Nanoparticles
Stock No	:	NS6130-02-245
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	<100nm

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 <100nm



Follow us:



| www.nanoshel.com | sales@nanoshel.com