

NS6130-02-244

CADMIUM TELLURIDE

Quick Facts

Product	:	Cadmium Telluride Nanoparticles
Stock No	:	NS6130-02-244
CAS	:	1306-25-8
Molecular Formula	:	CdTe
Form	:	Powder

Purity
99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
240.01 g/mol	5.85g/cm ³	1041°C	<100nm

Cadmium telluride (CdTe) is a stable crystalline compound formed from cadmium and tellurium. It is used as an infrared optical material for optical windows and lenses and is proven to provide a good performance across a wide range of temperatures. It is also applied for electro-optic modulators and has the greatest electro-optic coefficient of the linear electro-optic effect among II-VI compound crystals. cadmium telluride (CdTe) to the solar cell (photovoltaic) industry. Cadmium telluride is a semiconductor that enables the efficient conversion of solar energy into electricity. CdTe is also used to manufacture nuclear radiation detectors (X-ray and gamma ray) for medical use.

Application

- ✓ Infrared windows
- ✓ Solar cells
- ✓ Thin films
- ✓ Used for medical



CdTe
APS <100nm



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