

NS6130-02-280

CADMIUM TELLURIDE

Quick Facts

Product	:	Cadmium Telluride Nanoparticles
Stock No	:	NS6130-02-280
CAS	:	1306-25-8
Molecular Formula	:	CdTe
Form	:	Powder

Purity
99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
240.01 g/mol	5.9 g/cm ³	1090 °C	<100nm

Cadmium telluride (CdTe) is a photovoltaic (PV) technology based on the use of a thin film of CdTe to absorb and convert sunlight into electricity. CdTe is growing rapidly in acceptance and now represents the second most utilized solar cell material in the world. CdTe can be alloyed with mercury to make a versatile infrared detector material (HgCdTe). CdTe 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.



Application

- ✓ Photovoltaic cells
- ✓ Optical windows
- ✓ Solar Panels

CdTe
APS - <100nm



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