

NS6130-12-000722

CADMIUM TUNGSTATE Powder

Quick Facts

Product	:	Cadmium Tungstate Powder
Stock No	:	NS6130-12-000722
CAS	:	7790-85-4
Molecular Formula	:	CdWO ₄
Form	:	Powder

Purity
99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
360.25 g/mol	7.9 g/cm ³	1325 °C	<80µm

Cadmium Tungstate is a chemical element with the symbol CdWO₄ (from Latin: aurum) and atomic number 79, making it one of the higher atomic number elements that occur naturally. Cadmium Tungstate nanopowder is intercalated within a polymer matrix lower the effective conjugation length of the polymer, resulting in a blue shift in the adsorption. It also finds application in plasmonics, electronics and optical applications. Cadmium Tungstate Nanopowder, widely use in high technology applications such as sensory probes, electronic conductors, therapeutic agents, organic photovoltaics, drug delivery in biological and medical applications, and catalysis.

Application

- ✓ X-ray detectors, e.g., for X-ray CT, digital panel imaging, screen intensifier etc
- ✓ Scintillating bolometers for double beta decay search
- ✓ Studies of laser photochemical ablation
- ✓ Used in ceramic materials, electrode materials, thin film materials and refractory

CdWO₄
APS <80µm



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