

Tantalum

Pentoxide Powder







NS6130-12-000621

APS
40-50 μ m



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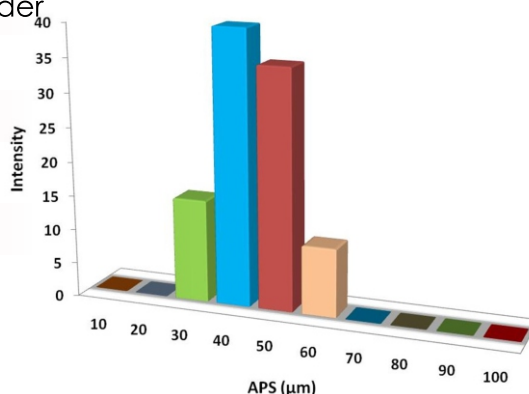
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Tantalum Pentoxide Powder

Tantalum pentoxide is an inorganic compound and its chemical formula is Ta_2O_5 . This compound has high refractive index, high dielectric constant and low absorption property. Due to this property it is useful in coatings. Mostly it is insoluble in all solvents. It is used in capacitors because of its dielectric constant. Tantalum pentoxide has various applications in microelectronics and also in advanced catalyst. Moreover, it's used for storage energy. These nanoparticles are also employed in biomaterials in filled resins owing to its low toxicity, biocompatibility and chemical inertness. These are also anti-corrosive compound. Tantalite and columbite are minerals of tantalum pentoxide. These are utilized in electronic circuitry, thin film components, cell phones and also in automotive electronics. This compound has also applications in resistive switching memories.

Quick Facts

Product	:	Tantalum Pentoxide Powder
Stock No	:	NS6130-12-000621
CAS	:	1314-61-0
Purity	:	>99.9%
Color	:	White
Form	:	Powder



Technical Specification

Formula	APS	Molecular Weight	Melting Point
Ta_2O_5	40-50μm	441.893g/mol	1872°C

Chemical Composition

Product	Weight Percent (nominal)	
	Ta_2O_5	Other Metal
Tantalum Pentoxide Powder	>99.9%	0.1%

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 1782 454 144, +44 74 105 48802

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911

ISO 9001:2015
CERTIFIED COMPANY



20ZICE4589C



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