

VANADIUM

POWDER



NS6130-12-000153



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20-60 μ m

Vanadium Powder

Vanadium is a chemical element with the symbol V and atomic number 23. In the recent years, researchers have intensified their research in the field of nanoparticles mainly due to the innovative and unexpected results that are achieved through altering the atomic and molecular properties of various elements. Vanadium forms a number of different compounds with oxygen, depending on the oxidation state of the vanadium metal.

Quick Facts

Product	:	Vanadium Powder
Stock No	:	NS6130-12-000153
CAS	:	7440-62-2
Purity	:	99.9%
APS	:	20-60µm

Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
V	50.94g/mol	6.11g/cm ₃	1890 °C

- Used in nuclear applications due to its low fission neutron cross-section.
- Used as a steel additive
- Nuclear Reactors
- vanadium is utilized in glasses to block infrared radiation
- used in ceramics
- To produce superconductive magnets
- In jet engines and for high-speed aircrafts



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