

# VANADIUM NITRIDE Nanopowder

## Quick Facts

<b>Product</b>	:	Vanadium Nitride Nanopowder
<b>Stock No</b>	:	NS6130-12-000387
<b>CAS</b>	:	24646-85-3
<b>Form</b>	:	Powder
<b>Purity</b>	:	99.9%
<b>APS</b>	:	80-100nm

Vanadium nitride, VN, is a chemical compound of vanadium and nitrogen. It is a strong-coupled superconductor. Nanocrystalline vanadium nitride has been claimed to have potential for use in supercapacitors. The properties of vanadium nitride depend sensitively on the stoichiometry of the material. Vanadium nitride (VN) has received increasing attention in recent years due to its typical properties including extreme hardness, high melting point, wear and corrosion resistance, good electric and thermal conductivity, high-temperature stability, as well as good catalytic activity. It can be widely used as iron and steel additive, electrode, catalyst, superconductor, and coating.

## Technical Specification

<b>Molecular Formula</b>	:	VN
<b>Molecular Weight</b>	:	64.95g/mol
<b>Density</b>	:	6.13g/cm <sup>3</sup>
<b>Melting Point</b>	:	2050°C



**APS**  
80-100nm

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NS6130-12-000387

ISO 9001:2015  
CERTIFIED COMPANY



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

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