

**NS6130-12-002345**

# VANADIUM ALUMINIUM Carbide Powder

## Quick Facts

Product	:	Vanadium Aluminium Carbide Powder
Stock No	:	NS6130-12-002345
CAS	:	9004-34-6
Form	:	Powder
Purity	:	99%

**Purity**  
99%

## Technical Specification

Molecular Weight	Molecular Formula
320.7g/mol	V <sub>4</sub> AlC <sub>3</sub>

Vanadium aluminum carbide powder, often abbreviated as VAIC powder, is a composite material consisting of vanadium (V), aluminum (Al), and carbon (C) particles. VAIC's thermal stability suits furnace components, cutting tools, and coatings. Its wear resistance and thermal conductivity benefit thermal management and additive manufacturing.

**V<sub>4</sub>AlC<sub>3</sub>**

## Applications

- High-temperature applications
- Wear-resistant materials
- Refractory materials
- Thermal management applications



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