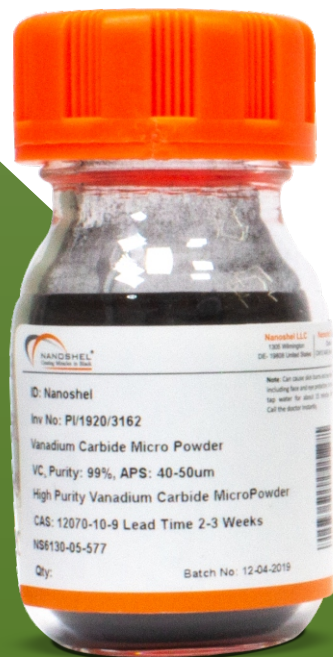


# VANADIUM CARBIDE POWDER

Stock No: NS6130-05-577



VC



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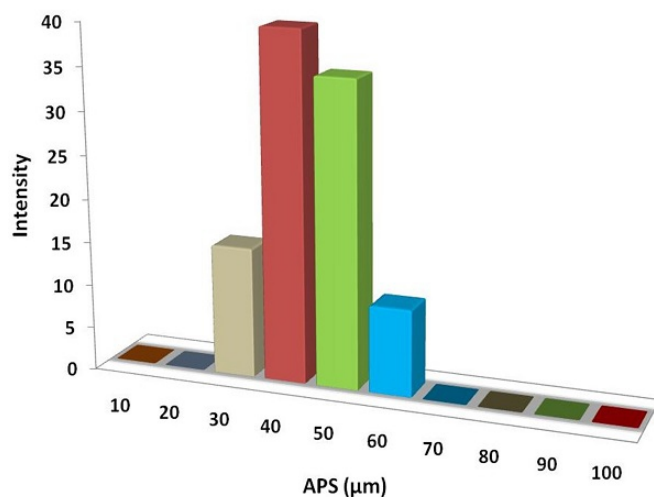
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## Vanadium Carbide Powder

Vanadium Carbide Powder a fine gray metallic powder, this refractory ceramic material is notable for being extreme hardness, extreme wear resistance, and low coefficient of friction surface finish, and high corrosion resistance. Vanadium carbide powder maintains a cubic crystal structure, and may be the hardest known metal-carbide with its hardness ranging from 9 to 9.5 Mohs. Given its unique hardness and corrosion-resistance, vanadium carbide powder is frequently used as an additive in alloys. Vanadium carbide powder is frequently used to produce extremely hard coatings for high-stress applications.

### Quick Facts

Product	: Vanadium Carbide Powder
Color	: Black/Gray Powder
Stock No	: NS6130-05-577
CAS	: 12070-10-9
Purity	: 99%
APS	: 40-50 $\mu$ m
Other Metal	: 8500ppm



## Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
VC	62.95 g/mol	5.77 g/cm <sub>3</sub>	2810°C

## Applications

- Hard film, target
- Welding materials, spraying, cutting tools
- Steel industry, aerospace
- Lithium ion batteries, and in supercapacitors, as well as serving as a coating material

ISO 9001:2015  
CERTIFIED COMPANY



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