US Vanadium

Product Specification

Vanadium Trioxide (V_2O_3)

CHEMISTRY

Major Elements		
	Min.	Max.
Vanadium (as V_2O_5)	119.5%	
Iron (Fe)		0.03%
Molybdenum (Mo)		0.05%
Potassium (K)		0.015%
Sodium (Na)		0.02%
Silicon (Si)		0.02%

PHYSICAL CHARACTERISTICS

Nominal Size
U.S. No. 20 x down (850 µm x down)

Physical Properties	
Melting Point:	3578 ^{0}F (1970 ^{0}C)
Bulk Density:	75 – 82 lb/ft^3 (1.2 – 1.3 g/cc)
Specific Gravity:	Approx. 4.8

Appearance
Black Powder

Standard Packaging	
Super Sacks:	2,205 lbs. (1,000 kg)
55-Gallon Open-Head Steel Drum:	440 lbs. (200 kg)
16-Gallon Fibre Drum:	110 lbs. (50 kg)
12-Gallon Fibre Drum:	55 lbs. (25 kg)

Vanadium Trioxide (V_2O_3) is a high-purity product produced at our ISO 9001:2015 certified Hot Springs, Arkansas facility.
US Vanadium's vanadium trioxide is the highest purity vanadium trioxide in the world and is used in various alloys as well as chemical applications.
US Vanadium's vanadium trioxide has an orthorhombic crystalline structure that increases reactivity in chemical applications.

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Director of Technology Approval	
Quality Manager Approval	

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