

## Product Specification

### Vanox™ Vanadium ( $V_2O_3$ )



#### CHEMISTRY

| Major Elements                                           |       |       |
|----------------------------------------------------------|-------|-------|
|                                                          | Min.  | Max.  |
| Vanadium (V)                                             | 67.0% |       |
| Phosphorus (P)                                           |       | 0.03% |
| Notes on Chemistry                                       |       |       |
| Vanadium $V_2O_5$ Equivalent: 119.6% minimum; 120.0% aim |       |       |

#### PHYSICAL CHARACTERISTICS

| Nominal Size                            |                                                |
|-----------------------------------------|------------------------------------------------|
| U.S. No. 20 x down (850 $\mu$ m x down) |                                                |
| Physical Properties                     |                                                |
| <b>Melting Point:</b>                   | 3578 °F (1970 °C)                              |
| <b>Bulk Density:</b>                    | 75 – 82 lb/ft <sup>3</sup><br>(1.2 – 1.3 g/cc) |
| <b>Specific Gravity:</b>                | Approx. 4.8                                    |
| Appearance                              |                                                |
| Black Powder                            |                                                |
| Standard Packaging                      |                                                |
| <b>Bags:</b>                            | 20 lbs. Vanadium per bag                       |
| <b>Pallet Boxes:</b>                    | 40 bags per box                                |

*Vanox™ Vanadium ( $V_2O_3$ )* is a high-purity product produced at our ISO 9001:2015 certified Hot Springs, Arkansas facility.

US Vanadium's *Vanox™ Vanadium ( $V_2O_3$ )* is an economical source of vanadium for tool steels.

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Director of Technology Approval

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