

## Nickel Vanadium Alloy (52%) – NiV

### Major Components

Vanadium	52.0 ± 0.5 Wt %
Nickel	Balance

<u>Trace Elements</u>	Specification (wt%)	Typical (wt%)
Aluminum	<0.1	<0.05
Silicon	<0.20	<0.10
Titanium	<0.01	<0.005
Zirconium	<0.002	<0.001
Others	<0.01	ND

ND <.001%

<u>Interstitial Impurities</u>	Specification (wt%)	Typical (wt%)
Oxygen	<0.10	<0.05
Carbon	<0.04	<0.02
Nitrogen	<0.02	<0.01
Sulfur	<0.01	<0.005

- Standard Form 2" or less
- Available as powder on request
- Standard Packing double bagged and drummed under inert atmosphere



- Eutectix nickel vanadium alloys are prepared from high purity nickel (99.97%) and vanadium (99.9%) specially selected for low interstitial impurity levels. The alloy is slag-free and of bright, shiny appearance.
- Each lot is accompanied by fully traceable major and minor elemental analyses.
- Variations in the vanadium concentration specification are available on request, as are the particle size distribution specifications for powdered versions of these alloys.
- Nickel vanadium alloys are used to incorporate vanadium in steel to improve tensile strength and other properties; have application in shape memory alloys, magnets and semiconductors