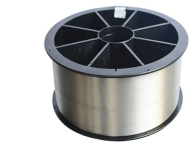
99.95% High Purity Tantalum Heating Wire

This tantalum wire is designed for heating components in high-temperature vacuum furnaces. It offers good resistance to corrosion, a high melting point, and high strength.

ADDITIONAL IMAGES



Product Overview

High-purity tantalum heating wire designed for furnace parts, offering exceptional resistance to high temperatures and corrosive environments.

High Purity Tantalum Heating Wire

This high-purity tantalum wire is engineered for demanding high-temperature and corrosive environments. With a purity level of 99.95%, it offers exceptional thermal conductivity, electrical conductivity, and structural strength. It is an ideal solution for vacuum furnace heating components, electronic equipment, and specialized industrial applications requiring reliable performance.

Technical Specifications

Purity	Ta e99.95%
Density	16.68 g/cm3
Surface	Bright
Standard	ASTM B365

Key Features

Key Properties	High Temperature Resistance, Corrosion Resistance, High Strength, High Melting Point, Oxidation Resistance

Applications

Industrial Applications

- Heating components for vacuum high-temperature furnaces
- Electronic components and devices (e.g., capacitors)
- Anode leads for electrolytic capacitors
- Vacuum electron cathode emission sources
- Ion sputtering and spraying materials

Chemical Requirements

Chemical Composition (Max %)

Element	Max %
Carbon (C)	0.004
Hydrogen (H)	0.0015
Oxygen (O)	0.015
Nitrogen (N)	0.005
Iron (Fe)	0.005
Silicon (Si)	0.005
Nickel (Ni)	0.002
Tungsten (W)	0.005
Molybdenum (Mo)	0.002
Niobium (Nb)	0.005