

Specification Sheet

Nickel Nanowire

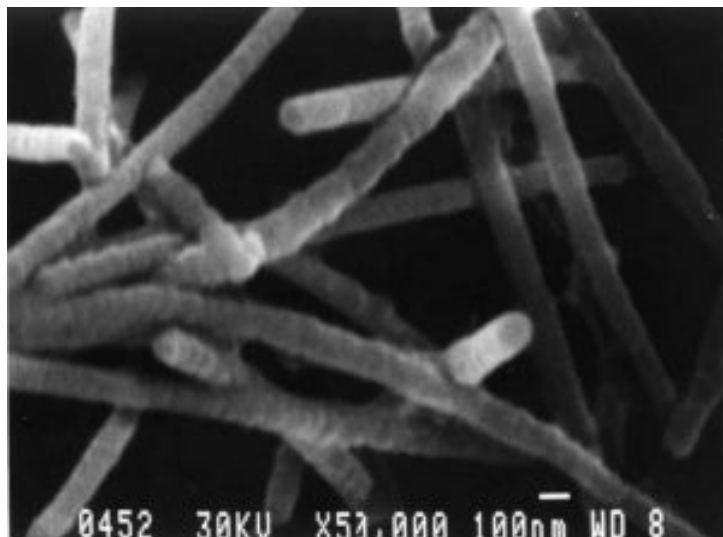
(Ni, Purity: 99.9%, Dia: 50nm, Length: 20 μ m)

Stock No: NS6130-12-000326, CAS: 7440-02-0

Product	:	Nickel Nanowire
Stock No	:	NS6130-12-000326
CAS	:	7440-02-0
Purity	:	99.9%
Diameter	:	50nm
Length	:	20 μ m
Molecular Formula	:	Ni
Molecular Weight	:	58.69
Form	:	liquid
Color	:	Silver, metallic
Density	:	8.902 g/cm ³
Melting Point	:	1455 °C
Boiling Point	:	2732 °C
Concentration	:	0.5wt%
Typical Concentration	:	90.9 W•m ⁻¹ •K ⁻¹
Thermal Expansion	:	(25 °C) 13.4 μ m•m ⁻¹ •K ⁻¹
Young's Modulus	:	200 GPa
Upper explosion limit	:	19%
Lower explosion limit	:	3.3%
Solubility	:	Soluble in organic solvent, DMF/IPA
Main Inspect Verifier	:	Manager QC

Note: Product Specification are subject to amendment and may change over time

Characterization of Nickel Nanowire



SEM - Nickel Nanowire



NANOSHEL
Creating Miracles in Black