

NS6130-02-296

NIOBIUM NITRIDE

Nanoparticles

Quick Facts

Product	:	Niobium Nitride Nanoparticles
Stock No	:	NS6130-02-296
CAS	:	24621-21-4
Molecular Formula	:	NbN
Form	:	Powder

Purity
99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
106.91g/mol	8.47g/cm ³	2573°C	10-20nm

Niobium nitride is a compound of niobium and nitrogen (nitride) with the chemical formula NbN. At low temperatures NbN becomes a superconductor, and is used in detectors for infrared light. Niobium nitride is used as superconductor. Used in absorbing anti-reflective coatings.

- Superconducting NbN nanowires can be used in particle detectors with high magnetic fields.
- Niobium nitride is also used in absorbing anti-reflective coatings.



NbN
APS 10-20nm



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