



NEXT

TUNGSTEN

NANOPOWDER

Tungsten nanomaterials offer several unusual benefits as electron emitters as the small size of nanoparticles can enable the formation of very thin film devices, lower the sintering temperatures and sintering times, exhibit inherently low vapor pressure even at high temperatures. They also offer novel compositions for chemical, mechanical polishing applications and electrical contacts. Photocopiers, facsimile machines, laser printers and air cleaners can benefit from charger wires prepared from tungsten comprising nanomaterials. Nanodevices having electrodes, chemical sensors, biomedical sensors, phosphors and anti-static coatings can be prepared from nanoscale powders comprising tungsten.

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Tungsten

NANOPOWDER



CATALOGUE NO.

• NS6130-01-147

SPECS

- ✓ Purity: 99.9%
- ✓ Molecular Weight: 183.84 g/mol
- ✓ Density: 3.6 g/cm³
- ✓ Melting Point: 3410 °C

All types of particles size are available in micro and nano range.

Applications

- ✓ Microelectronics films
- ✓ Electrodes for gas sensors
- ✓ Sintering additives
- ✓ Alloys for heat sinks, aerospace and electronic package
- ✓ Vacuum contactors and vacuum load switches



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