



TITANIUM

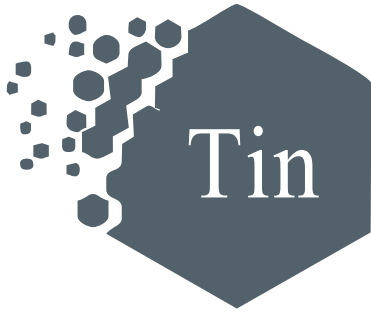
NITRIDE POWDER

Titanium nitride (TiN) is an extremely hard ceramic material, often used as a coating on titanium alloy, steel, carbide, and aluminium components to improve the substrate's surface properties. Applied as a thin coating, TiN is used to harden and protect cutting and sliding surfaces, for decorative purposes, and as a non-toxic exterior for medical implants. TiN is also widely used as a top-layer coating, usually with nickel (Ni) or chromium (Cr) plated substrates, on consumer plumbing fixtures and door hardware.



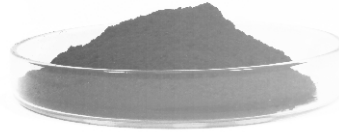
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APPLICATIONS

- ✓ Medical devices
- ✓ Custom jewellery
- ✓ Bio-electronics applications
- ✓ Microelectronics



SPECS

- ✓ Purity: 99.9%
- ✓ Molecular Weight: 61.874 g/mol
- ✓ Color: Black - Brown
- ✓ Density: 5.24 g/cm³
- ✓ Melting Point: 2930 °C
- ✓ Thermal Conductivity: 19.2 w/(m°C)

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

CATALOGUE NO.

- NS6130-02-259



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