



TUNGSTEN

DISULFIDE NANOPARTICLES

Tungsten disulfide nanoparticles are partially soluble in water and acidic solutions. These nanoparticles are the principal component of catalysts that are used for hydride nitrification. They are used widely as solid lubricants that are used at high temperature environments. Tungsten disulfide nanoparticles is a very good for new solid lubricant materials, not only for general lubrication, also it can be used in the work environment of high temperature, high pressure, high vacuum, high load and with radiation and corrosive media. Tungsten disulfide nanoparticles are mainly used for oil catalysts and WS 2 nanoparticles can be used as solid lubricants, dry film lubricants, self-lubricating composite materials.



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APPLICATIONS

- ✓ Fuel cell
- ✓ Solid lubricant materials
- ✓ Good semiconductor material
- ✓ Organic electrolyte battery anode



SPECS

- ✓ Purity: 99.9%
- ✓ Molecular Formula: Ws_2
- ✓ Molecular Weight: 247.98 g/mol
- ✓ Color: Gray-Black
- ✓ Density: 7.5 g/cm³
- ✓ Melting Point: 1250 °C

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



CATALOGUE NO.

• NS6130-02-218



    /nanoshel

www.nanoshel.com | sales@nanoshel.com

Tel: 91+9779550077,9779238252



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