

NS6130-02-243

Quick Facts

Product	:	Tungsten Disulfide Nanoparticles
Stock No	:	NS6130-02-243
CAS	:	12138-09-9
Molecular Formula	:	WS ₂
Form	:	Powder

Tungsten Disulfide Nanoparticles

Purity
99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
247.98g/mol	7.5g/cm ³	1250°C	80-100nm

Tungsten disulfide is an inorganic chemical compound composed of tungsten and sulfur with the chemical formula WS₂. Tungsten disulfide nanoparticles are mainly used for oil catalysts and WS₂ nanoparticles can be used as solid lubricants, dry film lubricants, self-lubricating composite materials. WS₂ nanoparticles can be used as fuel cells of the anode, organic electrolyte battery anode, the oxidation of sulfur dioxide in strong acid in the anode and the anode sensor.



Application

- ✓ Carbon Brush Solid Lubricant
- ✓ Cams and Cam followers
- ✓ Power Transmission Components
- ✓ Machinery Components, Precision Gears
- ✓ Plastic Molds for easier release

WS₂
APS 80-100nm



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