

# Molybdenum

Nano-Dispersion

Mo

**Molybdenum Nanoparticles Dispersion-** exhibits a remarkably diverse range of unique properties. Due to these properties MoS<sub>2</sub> is currently the focus of research groups across a broad range of disciplines. In the field of tribology, Molybdenum nanodispersion is often referred to as a super lubricant. It has been a favored dry lubricant for aerospace applications due to its excellent lubricity under high load.



## Quick Facts

Purity	: 99.9%
APS	: 80-100nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH <sub>2</sub> O)
Form	: Slurry, Suspension, Dispersion, Colloidal

## Applications

- ✓ Petroleum refining and lubricants
- ✓ Filament materials
- ✓ Electrodes
- ✓ Aircraft applications
- ✓ Oil refining hydrogenation catalyst of high activity
- ✓ Heavy oil conversion
- ✓ Semiconductors and electronic devices, etc.

## Properties

- ✓ Very good chemical stability
- ✓ Excellent thermal stability
- ✓ Excellent friction
- ✓ Large active surface area
- ✓ Anticorrosive
- ✓ High melting point
- ✓ High conductivity



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