



# Song Xian Exploiter Molybdenum Co.,Ltd

One of The Largest Manufacturer of Molybdenum Disulfide in the Wold

## MOLYBDENUM DISULFIDE

### DESCRIPTION

Molybdenum disulfide (MoS<sub>2</sub>) is a lubricant available in three grades—Technical, Technical Fine, and Super Fine. MoS<sub>2</sub> content is available from 96% to 99.5%, typical MoS<sub>2</sub> content (calculated average) is 98.5%.

### SPECIFICATIONS

Typical Analysis	Technical	Technical Fine	Super Fine
Acid Insoluble	0.50%	0.50%	0.50%
Fe	0.25%	0.25%	0.25%
MoO <sub>3</sub>	0.05%	0.10%	0.15%
H <sub>2</sub> O	0.10%	0.15%	0.20%
Oil	0.20%	0.40%	0.40%
SiO <sub>2</sub>	0.20%	0.20%	0.10%
Acid Number*	0.5	2.0	3.0
Laser Median Particle Size	< 30 μm	< 6 μm	< 1.5μm
Fisher Number	3 to 4 μm	0.65 to 0.8 μm	0.4 to 0.45 μm

\*Acid number is determined at time of production. Prolonged storage will result in slight oxidation, which will produce an increase in acid number. The smaller particle size grades are more susceptible to surface oxidation. Acid number is expressed as an absolute value and is the mg of KOH required to neutralize the acid in a one-gram sample.

### PACKAGING

Package	Package Size (Diameter*Height)	GW/NW	Drums per pallet
Fiber Drum	36 cm * 48 cm	27.4kg / 25kg	18
Iron Drum (lined)	40 cm * 70cm	57.6kg / 50 kg	8

CAS No: 1317-33-5 / EINECS No: 2152639

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