

Molybdenum Disulfide Lubricating Powder

Moly-Powder is a dry powder lubricant; it reduces torque and friction, resists liquid or gaseous oxygen, radiation, chemical and vacuum environments, adheres to many surfaces and has an average particle size of 4 to 10 microns.

Service Temperature range:
-375°F to 750°F

Lubricates metal surfaces of most kinds in many difficult and extreme environments such as: engine run-in, press fitting and fretting, heavy loads and slow speeds, metal working, reduces friction for plastics, sintered metals and rubber.



Standard package size:

ITEM #	SIZE	NOTE
20189	3oz	sold per tube
20190	283 grams	sold per bottle

Available from:

JIT Silicones +

P.O. Box 24
Mars, PA 16046
Phone: (855) JIT-PLUS (855) 548-7587

www.jitsiliconesplus.com



MolyPowder

Description:

Molypowder is a lubricant grade of molybdenum disulfide (MoS²) available in three grades- Technical, Technical Fine, and Super Fine. Typical MoS² content (calculated average) is 98%.

CHEMICAL SPECIFICATIONS

	Maximum % by wt Technical
Acid Insoluble	0.50
Iron	0.25
Molybdenum Trioxide	0.05
Water	0.02
Oil	0.05
Carbon	1.50
Acid Number*	0.05

*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.

PARTICLE SIZE SPECIFICATIONS BY Microtrac®

Molypowder	D50**
Technical	16.0-30.0 µm

**L&N Microtrac®

TYPICAL PARTICLE SIZE BY FISHER SUB-SIEVE SIZER AND BULK DENSITY:

Molysulfide® Grade	Fisher Number, µm	Bulk Density (Scott)
Technical	3 to 4	1.3 g/cm ³

Usable Life & Storage

When stored at or below 32°C (89.6°F), this product has a minimum usable life of 60 months from date of production.

Handling Precautions - See MSDS Sheet

Service Temperature Range: -375°F to 750°F (-226°C to 399°C)

Limited Warranty - Please Read Carefully

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