

Molybdenum disulfide powder Friction coefficient $\mu = 0.03$

Pressure proof load 2,900MPa



Liqui Moly is the registered trademark of Daito Corporation with its origin in Liquidized Molybdenum Disulfide.

Powder (Solid Lubricant)



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● Molybdenum disulfide powder(about 1 micrometer = 1/1000 mm grayish black particle) >

Bigger LM-11

LM-12

LM-13

Smaller

Black type powder

Graphite (black lead), tungsten disulfide, etc

White type powder

Fluorine powder, boron nitride, etc.

[Application example]

Addition to wire drawing stroke, metal mold coating and resin, addition to various grease, oils and coating agents

Grease



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• Black grease: High performance grease with solid lubricant

Heat-resistant grease

e.g.) LM-46 (Upper temperature limit : 230°C)

Cold-resistant grease

e.g.) LM-48 (Cold-resistance temperature:-60°C)

High load-resistant grease e.g.) LM-49 (Pressure-proof load: 294MPa)

All-purpose grease e.g.) LM-47、LM-150

■ White grease: White grease for resin

Grease for resin e.g.) LM-3000 series

Special grease

Rust prevention grease

e.g.) LM-190

Biodegradable grease e.g.) LM-191



Paste



● Black paste: High performance paste with solid lubricant

Setting-up paste e.g.) LM-82, LM-83

Heat-resistant paste

e.g.) LM-32 (Upper temperature limit:450℃)

Special paste

For ultra-high temperature and sear prevention

e.g.) LM-901 aluminum special

(Application example)

Prevent nuts and washer of turbines, electric furnaces, etc. From scraping and searing



Oil



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● High grade black oil: solid lubricant included

High performance black oil

Oil for addition

e.g.) LM-81

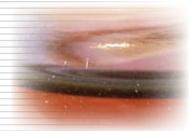
Heat-resistant oil

e.g.) LM-120

[Application example]

Add this oil to cylinders, motors, compressors, machine oils,etc

Used as bearings of drying machine and machine tool gear lubricant



Current Lubricant



Current lubricant

Grease type S series Oil type L series

LM-2002 (described in auto chemical) Aerosol type

(Application example)

Contact points of all electric equipment



For oil-avoiding areas!

Maintenance free!

Dry Coating



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Dry film surface treatment with solid lubricant/Special surface treatment/Base chemical conversion treatment

Dry coating with molybdenum disulfide

Teflon coating: lubricant, mold-release treatment, melting seizing

Nonadhesive treatment

Manganese phosphate treatment

Black oxide finish treatment

(Application example)

Crane joint bush part for construction equipment, cold forging, glass mold and mold-release lubricant, radiation-proof, lubricant in vacuum, car parts (pistons, metals gears, etc.)

WPC (Wonder Process Craft) Special shot-peening

- lacktriangle Shot by super particle of 40 \sim 200 μ m
- Increase surface hardness by instant hardening and annealing with ultra-fast spray 100m/sec and over
- Keep oil and improve sliding performance through micro dimple formation

(Application example)

Car parts, metal parts, metal processing, cutting tools, molds, etc



Increase surface strength dramatically

Auto chemical lubricant



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Lubricant for auto maintenance

Grease for brake: grease not to damage rubber

Grease for disk pads: grease for preventing squeaking

Grease for constant-velocity joints

Cartridge grease : Cartridge type for easy use

Silicon grease : Available for rubbers and plastics

Coupler grease Electric grease Engine oil additive

Differential mission gear oil additive

Engine tune-up agent: drive powerful engine performance

Various aerosols

: Grease sprays, cleaners, penetration lubricant, rust prevention agent



Engineering Plastic



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Materials including boards, round bars, sheets, etc.

Cutting and molding treatment, finished product processing such as metal insert, etc.

(Types) LIQUI-MOLY nylon: with molybdenum disulfide (grayish black)

MC nylon, white general-purpose nylon Polyimide

Polyacetal (POM, etc)

Fluorine contained resin (Teflon, etc)

Polyethylene, extra-high polyethylene, etc

(Application example)

Door rollers for switching doors of railway cars, wheel for multi-story car parks, sliding board,





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