

GLÄT MOLYBDENUM DISULFIDE (MoS₂) GREASE

Product Description

GLÄT Molybdenum Disulfide (MoS₂) Grease is a high-performance lithium grease reinforced with Molybdenum Disulfide (MoS₂) for added protection in extreme pressure and shock-load environments. The moly particles bond to metal surfaces to provide a solid film of protection under conditions where standard grease may fail.

It is ideal for pins, bushings, sliding surfaces, and components exposed to vibration, heavy load, and frequent start-stop cycles.

Application

- Chassis lubrication for trucks and buses
- Bucket pins, kingpins, and coupling joints
- Construction and off-highway equipment
- Industrial machinery exposed to high shock or intermittent loads

Meets or Exceeds

- **NLGI Grade:** 2
- **DIN 51502:** KF2K-20
- **ISO 6743-9:** ISO-L-XBCEB2
- **MoS₂ content:** ~3%

Product Features & Benefits

- MoS₂ provides solid protection under severe load and low-speed conditions
- Reduces fretting corrosion, wear, and galling
- Strong resistance to water washout and oxidation
- Stable under heavy mechanical stress
- Ideal for oscillating or sliding motion where film strength is critical

Storage & Handling

- Store in a cool, dry place away from dust and moisture
- Reseal containers after use
- Avoid contamination with other greases or solvents
- Refer to MSDS for safety and disposal instructions

Typical Properties

Property	Method	Unit
Thickener Type	—	Lithium Soap
Appearance	Visual	Smooth, gray/black
NLGI Grade	ASTM D217	2
MoS ₂ Content	—	~3%
Penetration (60 strokes)	ASTM D217	265-295
Dropping Point	ASTM D2265	≥190°C
4-Ball Weld Load	ASTM D2596	≥315 kg
Water Washout @ 79°C	ASTM D1264	≤5%
Rust Protection (EMCOR)	DIN 51802	0-0
Operating Temperature Range	—	-20°C to +130°C
Short-Term Peak Temp	—	Up to +150°C

