

GLÄT LITHIUM GRAPHITE GREASE NLGI EP-2

Product Description

GLÄT Graphite Lithium Grease NLGI EP-2 is a high-performance lithium-based grease enhanced with finely dispersed graphite, engineered for severe load-bearing components operating in dirty, high-friction, and high-shock environments. Its graphite content ensures solid lubrication even if the grease film temporarily breaks down, offering superior protection during metal-to-metal contact.

This makes it especially suitable for slow-moving, high-load components exposed to dirt, dust, water, or high vibration.

Product Features & Benefits

- Lubricates even in case of partial grease starvation
- Graphite creates an anti-wear layer on metal surfaces
- Extends life of mechanical parts in dusty, corrosive, or high-load environments
- Stable consistency over time and temperature cycles
- Compatible with standard grease dispensing systems

Application

- Mining and quarry equipment (crushers, dump trucks, bulldozers)
- Heavy-duty pivot points, couplings, springs
- Trailer or vehicle kingpins and suspension components
- Agricultural and forestry machinery under vibration or exposure
- High-pressure manual lubrication points

Meets or Exceeds

- **NLGI Grade:** 2
- **DIN 51502:** KP2K-30
- **ISO 6743-9:** ISO-L-XBCHB2

Storage & Handling

- Store in a dry, shaded area below 40°C
- Avoid mixing with incompatible greases
- Reseal container after use
- Refer to the product SDS for full safety and environmental guidance

Typical Properties

Property	Method	Unit
Thickener Type	—	Lithium Soap
Solid Lubricant	—	Graphite (fine grade)
NLGI Grade	ASTM D217	2
Appearance	Visual	Black, smooth, tacky
Worked Penetration (60 strokes)	ASTM D217	265-295
Dropping Point	ASTM D2265	≥180°C
4-Ball Weld Load	ASTM D2596	≥315 kg
Water Washout @ 79°C	ASTM D1264	≤5%
Operating Temperature Range	—	-20°C to +130°C
Emergency Short-Term Peak Temp	—	Up to +180°C

These values are typical and may vary slightly within normal production tolerance.

