



**Product Name:** TRÖST Graphite EP-2

**Application:** Construction, mining, off-road vehicles, and heavy industry

**Thickener Type:** Lithium Soap

**Base Oil:** Mineral

**NLGI Grade:** 2

**Additive System:** Graphite, Extreme Pressure (EP), anti-wear, corrosion and oxidation inhibitors.

## Product Overview

A lithium soap grease fortified with solid graphite and EP additives, formulated to protect high-load and slow-speed parts operating under harsh environmental and mechanical stress.

## 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

## Performance 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

## Meets and Approvals

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

## Typical Properties

Property	Method	Typical Value
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
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*These values are typical and may vary slightly within normal production tolerance*

## Storage and Handling

- Store in a dry, covered environment between 5°C and 40°C
- Avoid contamination and water ingress
- Use appropriate application tools for thick, adhesive grease
- Refer to the SDS for full safety, health, and environmental instructions.

