

## GLÄT LITHIUM COMPLEX GREASE EP-2 HVI

### Product Description

**GLÄT Lithium Complex grease EP-2 HVI** is a premium lithium complex grease engineered for high-performance lubrication in extreme pressure conditions and wide temperature ranges. It offers outstanding mechanical stability, superior load-carrying capacity, and exceptional resistance to water and oxidation. This high-viscosity index EP-2 grease ensures long-term protection and is recommended for high-load, high-temperature applications in industrial plants, automotive components, off-road machinery, and bearings in wet or dusty conditions.

### Application

- Suitable for industrial and automotive bearings
- Heavy-duty wheel bearings and high-speed applications
- Electric motor bearings and high-load pivot points
- Compatible with centralized lubrication systems

### Meets or Exceeds

- DIN 51502: KP2N-20
- ISO 6743-9: ISO-L-XCCHB2
- NLGI Grade: 2
- Worked penetration: 265–295 (ASTM D217)

### Product Features & Benefits

- **Lithium Complex Thickener:** Provides excellent heat resistance and longer grease life.
- **Extreme Pressure (EP) Additives:** Protects equipment under shock loading and vibration.
- **Water Washout Resistance:** Ensures adherence and lubrication even in wet conditions.
- **Oxidation and Rust Inhibitors:** Prevents degradation and metal corrosion during service.
- **Wide Operating Temperature Range:** Suitable from -25°C to +160°C (up to +200°C intermittently).

### 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
Appearance	Visual	Smooth, tacky, red
Thickener Type	—	Lithium Complex
NLGI Grade	ASTM D217	2
Base Oil Viscosity @ 40°C	ASTM D445	~210 cSt
Worked Penetration (60 strokes)	ASTM D217	265–295
Dropping Point	ASTM D2265	≥260°C
4-Ball Weld Load	ASTM D2596	≥315 kg
Water Washout @ 79°C	ASTM D1264	<2%
Timken OK Load	ASTM D2509	≥20 kg
Corrosion Protection (EMCOR)	DIN 51802	0-0
Operating Temperature Range	—	-25°C to +160°C
Short-Term Peak Temp	—	Up to +200°C

