

GLÄT LITHIUM COMPLEX GREASE EP-1 HVI

Product Description

GLÄT Lithium Complex grease EP-1 HVI is a premium lithium complex grease formulated with High Viscosity Index (HVI) base oils and fortified with EP additives to provide superior mechanical stability, load-bearing performance, and wide-temperature operating reliability. This grease is ideal for low-temperature applications, automated lubrication systems, or machinery that demands long-lasting film strength under pressure and vibration.

Product Features & Benefits

- Long service life under high mechanical stress
- Excellent water resistance and oxidation stability
- Pumpable at low temperatures
- Reliable film strength under load, shock, and vibration
- Reduces wear, extends component life, and lowers maintenance cost

Application

- Mobile equipment with automated grease systems
- Fleet vehicle chassis and pins
- Electric motors and slow to medium-speed bearings
- High-load pins, bushings, and rollers
- Agricultural, forestry, and marine machinery

Meets or Exceeds

- NLGI Grade: 1
- DIN 51502: KP1N-30
- ISO 6743-9: ISO-L-XCDIB1

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 Complex
Base Oil Type	—	High Viscosity Index Mineral
NLGI Grade	ASTM D217	1
Appearance	Visual	Smooth, tacky, blue
Worked Penetration (60 strokes)	ASTM D217	310-340
Dropping Point	ASTM D2265	≥250°C
4-Ball Weld Load	ASTM D2596	≥315 kg
Water Washout @ 79°C	ASTM D1264	≤3%
Rust Test (EMCOR)	DIN 51802	0-0
Operating Temperature Range	—	-30°C to +160°C
Short-Term Peak Temp	—	Up to +200°C

