

GLÄT CALCIUM COMPLEX GREASE EP-1

Product Description

GLÄT Calcium Complex grease EP-1 is a high-performance calcium complex grease formulated for use in automated lubrication systems and components requiring smooth pumpability and reliable protection in humid or water-exposed conditions. Its structure ensures excellent mechanical stability, EP load resistance, and exceptional adhesion – even when exposed to water, vibration, or salt conditions – making it a smart choice for construction fleets, mining machines, marine equipment, and winter-duty operations.

Application

- Mining equipment centralized grease systems
- Marine and harbor vehicles exposed to salt and moisture
- Lubrication lines in agriculture and food processing plants
- Wet, high-pressure environments or outdoor fleets

Meets or Exceeds

- NLGI Grade: 1
- DIN 51502: KP1R-25
- ISO 6743-9: ISO-L-XBCEB1

Product Features & Benefits

- Ensures lubrication continuity in centralized systems
- Highly resistant to water washout and steam exposure
- Long-lasting protection against friction and wear
- Stable under high mechanical stress and temperature cycling
- Reduces downtime and frequency of grease application

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	–	Calcium Complex
Base Oil Type	–	Mineral
NLGI Grade	ASTM D217	1
Appearance	Visual	Smooth, tacky, dark brown
Worked Penetration (60 strokes)	ASTM D217	310–340
Dropping Point	ASTM D2265	≥280°C
4-Ball Weld Load	ASTM D2596	≥400 kg
Water Washout @ 79°C	ASTM D1264	≤2%
Rust Protection (EMCOR)	DIN 51802	0–0
Operating Temperature Range	–	-25°C to +160°C
Short-Term Peak Temp	–	up to +200°C

