

GLÄT BITUMEN GRAPHITE GREASE

Product Description

GLÄT Bitumen Graphite Grease is a specialized heavy-duty open gear lubricant formulated from high-viscosity base materials, fortified with colloidal graphite and tackifiers for extreme adhesion and protection. Designed to withstand weather, shock load, dust, and heat, it forms a strong lubricating film that provides long-term performance under severe operating conditions.

Perfect for draglines, crushers, mills, and open gear sets, especially in outdoor or abrasive environments.

Product Features & Benefits

- Provides lubrication even when oil film breaks due to extreme loads
- Graphite enhances surface coating and protection
- Remains in place under water spray or dusty outdoor use
- Strong adhesion prevents slippage and ensures continuous protection
- Extends life of expensive gear systems exposed to the environment

Application

- Ball mills and rotary kilns (open gears)
- Mining crushers and ore processing drives
- Offshore hoists, pulleys, cables
- Cement and construction site gear assemblies
- Large, slow-moving, high-load components

Meets or Exceeds

- Suitable for OEMs recommending bitumen/graphite open gear lubricants
- Compliant with heavy industry open gear lube standards
- Consult equipment manual for compatibility

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	Black, stringy, tacky
Thickener Base	—	Bitumen
Solid Lubricant	—	Colloidal Graphite
NLGI Consistency	—	Non-standard (semi-fluid to ropey)
Base Oil Viscosity @ 40°C	ASTM D445	>1000 cSt
Dropping Point	ASTM D2265	Not applicable (bitumen based)
4-Ball Weld Load	ASTM D2596	≥400 kg
Temperature Range	—	-10°C to +120°C
Water Washout Resistance	ASTM D1264	Excellent
Corrosion Resistance (EMCOR)	DIN 51802	0-0

