



Extreme Weather Grease

MicroLub ProGlide 87 delivers superior film strength, forming a resilient lubricating barrier that protects gears under high pressure, slow-speed rotation, and heavy torque. Its outstanding adhesion allows the tacky lubricant to stay firmly on gear teeth, preventing throw-off even in high-speed or high-load applications.

Engineered for harsh environments, ProGlide also offers enhanced water and weather resistance, maintaining performance in rain, humidity, snow, and fluctuating temperatures—making it ideal for outdoor equipment, mining sites, and mineral processing operations.

Smooth and Silent Gear Engagement

MicroLub ProGlide 87 provides excellent corrosion and oxidation protection by forming a durable shield that prevents rust and chemical degradation on exposed gear surfaces, even in harsh outdoor environments. Its lubricating layer also offers effective noise and vibration damping, creating a cushioning effect that smooths gear engagement and enhances overall equipment performance. With outstanding texture stability, the grease resists hardening, cracking, and crumbling, maintaining consistent lubrication and long-term protection throughout extended service periods.

"Defies Water. Defends Your Gears."

MicroLub ProGlide™ 87 is a high-performance open gear lubricant engineered for extreme industrial environments. Designed to form a durable protective layer on heavily loaded gears, ProGlide™ 87 delivers outstanding adhesion, wear resistance, and film strength even under continuous shock loading, vibration, and outdoor exposure.

EP and Wear Resistance.

MicroLub ProGlide 87 delivers exceptional EP and anti-wear performance through its blend of heavy-duty extreme-pressure additives and solid lubricants such as graphite and moly. This advanced formulation forms a resilient protective layer that prevents pitting, scoring, abrasive wear, and micro-welding, even under severe shock loads and fluctuating mechanical stresses.

The reinforced lubricating film maintains gear integrity during slow-speed, high-torque operation, ensuring long-term reliability and significantly extending the service life of heavily loaded open-gear systems.

Applications.

MicroLub ProGlide™ is engineered for

- Rotary kilns
- Ball mills & grinding mills
- Open gear drives
- Crushers
- Winches, hoists & cable drives
- Rail pulleys & cableway systems
- Mining, quarry and cement equipment
- Heavy industrial gear systems requiring adhesive, solid-lubricant-based protection
- Valves

Performance Advantages

- Solid lubricants ensure protection even if the oil film is displaced
- Strong resistance to water, dust, and abrasive contaminants
- Reduces wear, pitting, and friction across open-gear contacts
- Extends gear and pinion life, reducing downtime and maintenance
- Suitable for extremely slow-speed, heavily loaded gear systems
- Ideal for continuous and intermittent lubrication

Stable lubricating layer

MicroLub ProGlide 87 maintains a stable lubricating layer even in dusty and abrasive environments. Its adhesive formulation resists displacement from wind-blown particles, gravel, and industrial debris, ensuring gears remain protected and smoothly engaged.

The grease's film integrity prevents wear buildup, reducing maintenance frequency and preserving gear performance under harsh operating conditions.

Typical Properties

Property	Test Method	NLGI #2	NLGI #1
Appearance	Visual	Black	Black
Worked Penetration (60 Strokes)	ASTM D217	265–295	310–340
Dropping Point (°C)	ASTM D2265	>280	>280
Base Oil Viscosity @ 40°C (cSt)	ASTM D445	1500	1500
4-Ball Weld Load (kgf)	ASTM D2596	800	620
4- Ball Wear Test	ASTM D-2266	0.5 Max	0.5 Max
Water Washout @ 80°C (%)	ASTM D1264	<1	<1
Rust Prevention	ASTM D1743	Pass	Pass
Copper Corrosion	ASTM D130	1A	1A

STORAGE & HANDLING

- Store indoors at stable temperatures to preserve consistency.
- Keep containers closed to prevent contamination.
- Avoid mixing with incompatible greases unless compatibility has been verified.
- Refer to product SDS for safe handling guidelines.

This Technical Data Sheet summarizes typical product characteristics and does not constitute a specification. Variations may occur based on production and customer requirements.