

EP Lithium complex Grease (EP)



Product Description

Podlee EP (Extreme Pressure) lithium complex grease is a high-performance lubricant engineered for applications requiring exceptional load-carrying capacity, thermal stability, and resistance to harsh operating conditions. Formulated with lithium complex thickeners, premium base oils, and advanced additive packages, it combines durability and versatility for both industrial and automotive use.

Application

Automotive: Wheel bearings, chassis components, and universal joints.

Industrial Machinery: Heavy-duty bearings, gears, and mining/construction equipment.

High-Load Scenarios: Steel mills, paper machines, and conveyor systems.

Advantages

Outstanding anti-wear and load-carrying performance ensures reliable lubrication for main bearings under heavy loads and impact conditions, maintains high oil film strength, extends main bearing service life, and reduces unplanned downtime.

Excellent water washout resistance maintains exceptional protection and lubrication capabilities even in severely water-contaminated environments.

Superior adhesion ensures secure attachment to surfaces under heavy loads and impact forces, preventing grease leakage.

Remarkable thermal stability preserves performance integrity in high-temperature operating conditions, delivering effective lubrication for main bearings.

Exceptional oxidation stability prolongs service life and reduces operational costs.

Excellent mechanical stability prevents grease softening in environments with poor mechanical stability conditions.

Outstanding anti-corrosion performance guarantees metal surface protection against rust and corrosion even in extreme humidity environments.

Typical Characteristics

| Item | Test Data | | | Standard |
|--|-----------|---------|---------|------------|
| | 0 | 1 | 2 | |
| NLGI | 0 | 1 | 2 | ASTM D217 |
| Work Penetration (0.1mm) | 375 | 325 | 280 | ASTM D217 |
| Base Oil Viscosity (mm ² /s@40°C) | 220 | 220 | 220 | ASTM D445 |
| Dropping Point (°F/°C) | - | 338/170 | 356/180 | ASTM D2265 |
| Oil Separation (100°C,4h), (%) | - | 5 | 3 | ASTM D6184 |
| Water Washout Characteristics (38°C,1h), (%) | - | 2.16 | 1.12 | ASTM D665 |
| P _B (kgf) | 66 | 68 | 70 | ASTM D2783 |

Package

17 KG/CTN

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