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Technical Date Sheet

Lithium Grease EP

Product Introduction

This is a general-purpose extreme pressure lithium grease. It is formulated with refined mineral base oil, lithium soap thickener, and compound additives including extreme pressure, antioxidant and antirust agents.

Examples of Application

- Suitable for construction machinery, transportation vehicles, mining equipment, conveyor devices, general motors, water pump bearings, gear linkages, chassis hinge points and other medium & heavy-load friction parts..
- Adaptable to harsh working conditions such as normal temperature, humidity, dust and slight impact load..
- Operating temperature range: -20°C ~ 120°C.

Features and benefits

- Excellent Extreme Pressure Performance: Adopts sulfur-phosphorus additives to endure heavy and shock loads, minimizing metal wear.
- Stable Mechanical Property: Resists thinning under continuous shear, preventing leakage for long-term operation.
- Superior Water & Rust Resistance: Hardly emulsifies in humid conditions and protects metal components from corrosion.
- Universal Compatibility: Cost-effective with stable oxidation resistance, suitable for general industrial and automotive lubrication.



TESTING ITEMS	TYPICAL DATA			TESTING STANDARDS
NLGI grade	1	2	3	
Appearance	Brown	Brown	Brown	Visual
Worked Cone Penetration, 0.1mm	331	270	235	ASTM D217
Dropping Point, °C	190	190	190	ASTM D2265
Kinematic Viscosity @40°C, mm ² /s	102	102	102	ASTM D445
Cone Oil Separation (100°C, 24h) , %	4.8	3.65	2.25	ASTM D6184
Water Washout Loss (38°C, 1h) , %	5.5	4.2	3.1	ASTM D2266
Copper Corrosion (100°C, 24h)	1b Class	1b Class	1b Class	ASTM D130
Four-Ball Welding Load (PD/N)	2452	2452	2452	ASTM D2783

* Instructions for use:

Do not mix with other types of lubricating grease to avoid structural damage and grease failure. Clean all old grease before application; the recommended fill volume for bearings is 1/3 ~ 1/2. All above typical data are laboratory values for reference only.