



SHIELD L-MP

PRODUCT DESCRIPTION:

SHIELD L-MP is a general-purpose lubricating grease formulated with a lithium hydroxystearate soap thickener and high-quality mineral base oil. It is enriched with antioxidants, rust and corrosion inhibitors, and anti-wear additives. This grease is well-suited for lubricating rolling element bearings, electric motor bearings, water pumps, and sealed-for-life bearings. Available in NLGI 1 and NLGI 2 grades, it is designed for general industrial lubrication and is compatible with centralized lubrication systems operating at normal temperatures.

APPLICATION

SHIELD L-MP is recommended for the lubrication of rolling-element bearings, electric motor bearings water pumps, and sealed-for-life bearings. These greases are designed for general industrial lubrication which can be used through centralized lubrication systems operating at normal temperatures.

PRODUCT ADVANTAGES

- The operating temperature range is -20°C to 130°C
- Good oxidation and mechanical stability
- Reliable high-temperature performance
- Long storage life
- Good rust and corrosion protection

TYPICAL PROPERTIES:

PARAMETERS	TEST METHODS	TYPICAL VALUE					
		000	00	0	1	2	3
NLGI Grade	-	000	00	0	1	2	3
Thickener Type	-	Lithium 12-Hydroxystearate					
Appearance	Visual	Smooth & Homogenous					
Color	Visual	Yellow to Brown					
Work Penetration @25°C	ASTM D217	445-475	400-430	355-385	310-340	265-295	220-250
Copper Strip Corrosion For 24hrs @100°C	ASTM D4048	1b max.	1b max.	1b max.	1b max.	1b max.	1b max.
Dropping Point °C, Min	ASTM D2265	N/A	N/A	190	190	190	190
Water Washout Resistance %Wt @79°C	ASTM D1264	N/A	N/A	N/A	Max 10		
Emcor Rust Preventive Test	ASTM D6138	Pass					
Operating Temperature Range, °C	INTERNAL	-20 to 130					
Base Oil Viscosity @40°C (Cst)	ASTM D445	90-110					

DISCLAIMER: The test data provided above is for reference purposes and is not a strict specification, as variations within acceptable production tolerances may occur. Phoenix reserves the right to update or revise this test data. For the most accurate and up-to-date information, please consult the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website Phoenixlubricants.com