



PROTEC L 100-M3

PRODUCT DESCRIPTION:

PROTEC L 100-M3 grease is formulated with lithium 12-hydroxystearate soap and high-quality mineral base oil. It is enriched with antioxidants, rust and corrosion inhibitors, extreme pressure, and anti-wear additives. The inclusion of 3% molybdenum disulfide provides enhanced protection against wear and shock loads, further improving its performance in demanding conditions.

APPLICATIONS

PROTEC L 100-M3 grease is a multi-purpose grease suitable for a wide range of applications. It can be applied to lubrication points found on dozers, scrapers, earthmovers, cranes, shovels, rollers, combines, and cotton pickers. These lubrication points include most types of antifriction bearing arrangements from plain sleeve-types to rolling element bearings, as well as bushings and other sliding surface or pivot point.

PRODUCT ADVANTAGES

- The operating temperature range is from -20°C to 120°C
- The presence of moly provides additional protection against wear
- Excellent load-carrying capacity
- Good resistance against water
- Good mechanical stability
- Good corrosion protection

TYPICAL PROPERTIES:

PARAMETERS	TEST METHODS	TYPICAL VALUE	
		2	3
NLGI Grade	-	2	3
Thickener Type	-	Lithium 12-Hydroxystearate	Lithium 12-Hydroxystearate
Appearance	Visual	Smooth & Homogenous	Smooth & Homogenous
Color	Visual	Dark gray	Dark gray
Work Penetration @25°C,	ASTM D217	265-295	220-250
Copper Strip Corrosion 24hrs @100°C	ASTM D4048	1b max.	1b max.
Dropping Point °C, Min	ASTM D2265	180	180
Water Washout Resistance %Wt. @79°C	ASTM D1264	max 10	max 10
Four Ball, Load Wear Scar, Mm	ASTM D2266	0.6	0.6
Four Ball Weld Load, Kgf, Min	ASTM D2596	200	200
Dry Lubricant	-	Molybdenum Disulfide	Molybdenum Disulfide
Operating Temperature Range, °C	INTERNAL	-20 to 120	
Base Oil Viscosity @40°C (Cst)	ASTM D445	90 -110	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