



PROTEC L 220-EP

PRODUCT DESCRIPTION:

PROTEC L 220-EP is a versatile, extreme-pressure grease formulated with a lithium 12-hydroxystearate soap thickener and premium mineral base oil. Enhanced with extreme pressure and performance-boosting additives, it is ideal for a wide range of applications. This grease is particularly recommended for steel mills, heavy-duty plain and rolling element bearings operating under harsh conditions such as shock loading and wet environments, gearboxes requiring semi-fluid grease, and centralized chassis lubrication systems.

APPLICATIONS

PROTEC L-220 EP grease is specifically recommended for steel mill, heavy-duty plain and rolling element bearings operating under severe conditions including shock loading and wet environments, gear box application where semi fluid grease is required and for centralized chassis lubrication systems.

PRODUCT ADVANTAGES

- The operating temperature range is -20°C to 130°C
- Excellent anti-wear and extreme pressure properties
- Excellent mechanical stability
- Good resistance to water-washout
- Excellent oxidation stability

TYPICAL PROPERTIES:

PARAMETERS	TEST METHODS	TYPICAL VALUE		
NLGI Grade	-	00	0	1
Thickener Type	-	Lithium Soap	Lithium Soap	Lithium Soap
Appearance	Visual	Smooth & Homogenous		
Color	Visual	Yellow to Light Brown		
Base Oil	-	Mineral	Mineral	Mineral
Work Penetration @25°C	ASTM D217	400-430	355-385	310-340
Copper Strip Corrosion 24hrs @100°C	ASTM D4048	1b	1b	1b
Dropping Point °C, Min	ASTM D2265	N/A	190	190
Four Ball Weld Load Kgf, Min	IP239	250	250	250
Four Ball Wear Scar Dia, mm, Max	ASTM D2266	0.6	0.6	0.6
Operating Temperature Range, °C	INTERNAL	-20 to 130		
Base Oil Viscosity @40°C (Cst)	ASTM D445	220	220	220

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