



**Aerolube Technologies**



## Technical Data Sheet

# **MPEP ML 150 High Performance Premium Lithium Complex Soap Based Greases For Lubrication Of Bearings At High Temperatures**

### **Product Description**

Stanvac MPEP ML 150 grease series are mineral oil thickened with a premium lithium complex thickener and special additive combinations to provide excellent protection against wear, rust and corrosion. These high performance greases are designed for providing effective lubrication under conditions of temperatures, loads, shear forces and harsh environments. These greases exhibit excellent adhesion, shear stability and very good resistance to water.

Premium additives used for enhancing extreme pressure properties demonstrate high load and wear reducing capabilities to make these greases ideal for use under demanding conditions.

Stanvac MPEP ML 150 series of greases provide extended lubrication, increase equipment wear life, reduce energy consumption, maintenance costs, downtime and are ideally suited for lubrication of bearings subjected to heavy loads, slow to medium speeds and high temperatures.

### **Applications**

- For roller and plain bearings in steel, mining, cement, construction, textile, paper, heavy engineering industry.

### **Benefits**

- Extremely wide service temperature range of -20°C to +150°C
- Excellent resistance to water
- Extend re-lubrication intervals and cut down lubricant consumption
- Combination of EP additives increase the load bearing capacity
- Offer good surface protection and corrosion inhibiting properties
- Very good shear stability under moderate to high loads and medium speeds
- Make sliding smoother and reduce operational noise
- Increase wear life of the equipment
- Good resistance to oxidation and corrosion

### **Directions for Use**

Use as supplied. Never dilute or mix with oil or grease. Apply on all clean sliding surfaces by normal greasing methods i.e. by brush, grease gun or dispense via centralized lubrication systems.

### **Available Packaging**

5 Kg, 20 Kg, 180 Kg

### **Shelf Life**

36 months from date of manufacture in sealed condition.

### **General**

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

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**MPEP ML 150 High Performance Premium Lithium Complex Soap Based Greases For Lubrication Of Bearings At High Temperatures**

**TECHNICAL PROPERTY**

PARAMETER	VALUE			UNIT	STANDARD
Product	ML 150		ML 150/3		
Appearance	Smooth grease		Smooth grease		Visual
Color	Yellow/ Red		Yellow/ Red		Visual
Base oil	Mineral		Mineral		In house
Base oil viscosity @ 40°C	~150		~150	mm <sup>2</sup> /s	ASTM D 445
Thickener	Lithium complex		Lithium complex		In house
Penetration, worked	265-295		240-270	mm/10	ASTM D 217
NLGI consistency	2		3	Class	DIN 51 818
Drop point	+250		+250	°C	ASTM D 2265
Copper strip corrosion	1a		1a	Rating	ASTM D 4048
Rust prevention	Pass		Pass		ASTM D 1743
Water washout	<3		<3	%	ASTB D 1264
Four ball test, weld load	280		280	kg	ASTM D 2596
Four ball test, scar dia.	0.5		0.5	mm	ASTM D 2266
Service temperatures	-20 to +150		-20 to +150	°C	

**Disposal**

All used and unused product should be disposed of in accordance with state regulations.

**Handling**

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from Aerolube or your local Aerolube distributor.

**Limited Warranty**

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended Stanvac product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.