



**Aerolube Technologies**



### Technical Data Sheet

## **MPEP LL 102 Heavy Duty, Extreme Pressure Grease Containing MoS<sub>2</sub> Solid Lubricant for Lubrication of Sliding Metal Surfaces Under High Loads**

### Applications

- Use successfully for roller bearing, all types of anti-friction bearings, plain bearings, roller guides, threaded spindles, splined shafts, taper bearings, needle roller bearings, sliding and mating surfaces under vibratory or reciprocating motions, journal bearings, couplings.
- For heavy duty and long-term lubrication to bearings and equipment of heavy engineering machinery, textile processing machines, compressors, exhaust fans, overhead cranes, mining and construction equipment, rolling mills.
- For long lasting lubrication of cams, shafts, spring, joints, steel cables; for lubrication of small gear mechanisms exposed to severe impact loads and slow operating speeds.

### Benefits

- Extremely wide service temperature range of -20°C to +150°C
- Excellent resistance to water and water washout
- Extends re-lubrication intervals and cuts down lubricant consumption
- Combination of EP additives increase the load bearing capacity
- Offers good surface protection and corrosion inhibiting properties
- Very good performance under moderate to high loads and medium speeds under reciprocating motions
- Makes sliding smoother and reduces operational noise
- Increases wear life of the equipment & out performs conventional lubricants
- 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. Replace cover after use.

### Available Packaging

1 Kg, 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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<b>TECHNICAL PROPERTY</b>			
<b>Parameter</b>	<b>Value</b>	<b>Unit</b>	<b>Standard</b>
Type	Grease with EP/AW additives and solid lubricants		
Appearance	Smooth grease		
Base oil	Mineral		
Base oil viscosity, @ 40°C	260	mm <sup>2</sup> /s	DIN 51 562
Thickener	Lithium		
Color	Black		
Penetration, worked	265-295	mm/10	ASTM D 217
NLGI Consistency	2	Class	DIN 51 818
Density, @ 25°C	0.85- 0.95	g/cm <sup>3</sup>	
Drop point	+185	°C	ASTM D 566
Service temperatures	-25 to +110 (+130 for short periods)	°C	
Four ball wear test, weld load	3700	N	DIN 51 350 pt.4
Four ball wear test, wear scar, 800N	1.1	mm	DIN 51 350 pt.5
DN value	250,000	mm/min	
Oxidation resistance, pressure drop	0.3	bar	DIN 51 808
Oil separation, standard test, 168 h, 40°C	< 2	%	DIN 51 817

### **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.

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