



Aerolube Technologies



Technical Data Sheet

MPEP BRB 2 Heavy Duty, Multipurpose Extreme Pressure Grease Containing MoS₂ Solid Lubricant

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, ball and socket joints, 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, chassis of automotive and transportation fleet, sugar and cement plant machinery, 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 -30°C to +130°C (up to +150°C for short intervals)
- Forms a solid lubricating film to provide emergency lubrication and prevents premature bearing failures caused due to lubricant starvation as a film of solid lubricants is always maintained between sliding surfaces
- Prevents metal-to-metal contact, reduces friction and wear & protects against fretting corrosion
- Highly resistant to hot or cold water and water washout
- Extends re-lubrication intervals and cuts down lubricant consumption
- Combination of EP additives and solid film lubricants increase the load bearing capacity and provide emergency running in and boundary lubrication
- 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

Directions for Use

Use as supplied. Never dilute or mix with other 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

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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MPEP BRB 2 Heavy Duty, Multipurpose Extreme Pressure Grease Containing MoS₂ Solid Lubricant

TECHNICAL PROPERTY			
Parameter	Value	Unit	Standard
Type	Grease with EP/AW additives and solid lubricants		
Appearance	Smooth grease		
Base oil	Mineral		
Base oil viscosity, @ 40°C	110	mm ² /s	DIN 51 562
Thickener	Lithium		
Color 1	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 ³	
Drop point	+185	°C	ASTM D 566
Service temperatures	-30 to +130(+150 for short periods)		
Speed-DN value ²	450,000	mm/min	
SKF-Emcor corrosion test	0-0		DIN 51 802
Four ball wear test, weld load	3600	N	DIN 51 350 pt.4
Four ball wear test, wear scar, 800N	< 0.85	mm	DIN 51 350 pt.5
Oxidation resistance, pressure drop, 100h, 100°C	0.1	bar	DIN 51 808
Oil separation, standard test	< 4	%	DIN 51 817

1. Minor color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.
 2. Values will differ as they are largely dependent on operating temperatures, loads and type of bearing.

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.