

MF 500 PASTE

Metal Free Anti Seize Paste

Product Description

MF 500 is a metal free anti seize paste based on a combination of micro fine molybdenum disulfide, specially processed graphite and heat resistant inorganic low friction secondary boundary film lubricants in an aluminum complex soap based grease along with additives to prevent degradation from oxidation, rust and corrosion.

Applications

- As a low friction running-in, metal priming paste for all new or rebuilt mechanical equipment such as gears, sliding bearings, slide ways, joints, sleeves, splines, cams, journal bearings.
- As a press-fitting lubricant to reduce press-fitting power required and prevent misalignment, seizure, wear, distortion especially under heavy load conditions.
- For lubrication of all sliding metal surfaces to reduce wear, friction and prevent cold-welding of surfaces such as for shafts, bushes, splined shafts, pumps, valves, threaded spindles
- As a universal assembly paste to reduce tightening torque required; for enabling easy and non-destructive disassembly of components after long operational hours under operating and temperature variations.
- As an antifriction and anti wear lubricant for heavily loaded surfaces under slow sliding speeds for preventing cold welding of sliding surfaces under heavy loads.
- As a standard anti seize compound for all threaded connections during assembly stage for maintenance free dismantling.

Benefits

- Extremely wide service temperature range of -54°C to +450°C in air (up to +1316 dry lubrication)
- Low coefficient of friction
- High pressure withstanding capacity
- Load bearing capacity exceeds the yield point of most metals
- Prevents metal-to-metal contact and offers protection from wear and friction
- Prevents seizure, scoring, galling, fretting corrosion and stick slip
- Reduces press fitting force required and prevents distortion or misalignment
- Makes assembly easier and disassembly rapid and non-destructive irrespective of operational period or conditions
- Economical to use owing to its high surface coverage capacity
- Aids running in and provides emergency lubrication during start ups

Directions for Use

Clean the sliding surfaces and friction points. Apply this paste with a brush or cloth and rub intensively on the metal surface to form a thin uniform film. Do not use in excess as is customary with greases. Do not mix with other oils or grease.

MF 500 PASTE

TECHNICAL PROPERTY

Parameter	Value
Appearance	Smooth paste
Color	Blue black
Base Oil	Mineral
Thickener	Metal complex
Penetration, ASTM D 217	290-320
NLGI Grade	1-1.5
Specific Gravity @ 20°C	1.25-1.28
Drop Point, ASTM D 2265	+232°C / 450°F
Flash Point, Base Oil ASTM D 92	+220°C / 430°F
Oil Separation, % by wt., ASTM D 6184	<5
Copper Strip Corrosion, ASTM D 4048	1A
K factor	0.17
Four Ball Weld Point, kgf ASTM D 2596	+620 kg

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).

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 ASV or your local ASV distributor.

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Available Packaging

500 g, 1 kg, 5 kg, 20 kg, 180 kg

Shelf Life

36 months from date of manufacture in sealed condition.

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 ASV 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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