



Bringing Quality & Excellence

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TECHNICAL DATA SHEET

MP-50™ Multipurpose Non-Melting Moly Paste

DESCRIPTION

MP-50 MOLY PASTE is a non-melting, lubricating compound that contains a high percentage of Molybdenum Disulphide. Being a thick paste, it can be applied by brush or spatula to surfaces at temperatures between -18°C (0°F), where many other lubricants would solidify and 204°C (399°F), where it will not run off or drip. The Molybdenum Disulphide remains nearly inert in operating conditions up to 315°C (599°F); however, if operating in an air-free environment, its lubricating range can be extended up to 1090°C. Under extreme pressure, where the grease is displaced, the Molybdenum Disulphide remains behind to protect the working surfaces. MP-50 provides low friction lubrication by plating in a manner that fills in microscopic voids to give a smoother running surface. It has excellent load carrying and anti-seize properties because it adheres strongly to metal surfaces and has a film strength of 300.000 PSI. MP-50 resists water and climatic extremes; it also provides corrosion protection caused by water, steam, most acids and alkalis.

ADVANTAGES

- High Molybdenum Disulphide content.
- Lead-Free.
- Prevents seizure.
- Lowers Friction.
- Prevents Stick-Slip.
- Non-Melting.
- Prevents Corrosion.
- Water Resistant.

APPLICATIONS:

- Pre-assembly lubricant for camshafts, press fit/shrink fit components. etc.
- General component pre-dressing
- Heavy Gear/Chain lubrication
- Primer Centrebowl Lubricant for Rail Cars
- Life extending Mandrel Lubrication
- Valve Stem Lubrication
- Specified Lubricant in NAVSEA TMS S9558-AA-MMA-100 Volume 10 Book 1 publication for Miratta valves

PRODUCT CHARACTERISTICS

Service Ranges: -18°C (0°F) to 204°C (400°F)

Thickener:	Organo Clay & MoS2
Fluid Type:	Petroleum Oil
Colour/Appearance:	Black Paste
Dropping Point (ASTM D-566):	None
Specific Gravity:	1,7
Oil Separation	
Wt. % Loss @ 100°C (212°F):	<1,0
Flash Point (ASTM D-92):	>221°C (430°F)
NLGI Grade:	3,5
Penetration @ 25°C (77°F) (ASTM D-217):	205-235
Copper Strip Corrosion (ASTM D-4048):	1A
Shell 4-Ball (ASTM D-2596)	
Weld Point, kgf:	>250
Friction Coefficient:	0,06

PACKAGING

Code	Net contents	Container
67548781	500g	Tin
19096780	1kg	Tin
38560200	5kg	Pail
27087978	12,5kg	Pail
45096815	20kg	Pail

LIMITED WARRANTY

Jet-Lube (UK) Limited makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube (UK) Limited materials and workmanship. This limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube (UK) Limited. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube (UK) Limited shall not be liable for incidental or consequential damages.



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