

Molylube Anti-Seize Silicone Compound with Moly

Molylube Anti-Seize Silicone Compound with Moly, commonly known as Bel-Ray Molylube 16 Silicone, is an anti-seize compound containing a high percentage of molybdenum disulfide solids. The base fluid is silicone, which offers excellent high and low temperature characteristics. Molylube Anti-Seize Silicone Compound with Moly is very resistant to oxidation and is not subject to gum or varnish formation. For continuous operation, the temperature range is -46°C to 204°C (-50°F to 400°F) with fringe temperatures up to 316°C (600°F). When the temperatures exceed 316°C (600°F), up to 399°C (750°F), the silicone will volatilize leaving molybdenum disulfide impregnated on the surfaces, providing dry lubrication to temperature up to 399°C (750°F).

Molylube Anti-Seize Silicone Compound with Moly is used by military under National Stock Number (NSN) 8030-00-149-0335.

APPLICATIONS

- High and low temperature anti-seize compound
- Lubricant for natural and synthetic rubber, plastics, leather, nylon, and fiber bearings and all metals

PRODUCT FEATURES

- Inorganic thickener with fully synthetic base fluids
- Contains a high percentage of molybdenum disulfide solids
- Oxidation inhibited

BENEFITS

- Works well at extremely high and low temperatures
- Thermal stability
- High temperature tolerance

DISTRIBUTED BY:

Calumet Branded Products, LLC
2780 Waterfront Pkwy. E. Dr., Suite 200
Indianapolis, IN 46214
Technical Services: 317-328-5660
www.belray.com

To the best of our knowledge, the information contained herein is accurate, but is given without warranty or guarantee. We assume no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any information or material for the use contemplated, the name of use and whether there is any infringement of patents is the sole responsibility of the user.

© 2020 Calumet Specialty Products, LLC. All Rights Reserved.

6/8/2022

Typical Physical Properties		
Property	Test Method	2
Worked Penetration	ASTM D217	285
NLGI Grade		2
Thickener Type		Inorganic
Base Fluid Type		Dimethyl Silicone
Viscosity @ 25°C, cSt	ASTM D445	100
Dropping Point, °C (°F)	ASTM 2265	>260 (>500)
Lubricating Solids Type		MoS ₂
Torque Coefficient (K-factor)	ISO16047	0.133
Coefficient of Friction	ISO16047	0.094
Useful Temperature Range, °C (°F)		-46 to 399 (-50 to 750)*
Color		Dark Grey

* Lubrication at extremes of the temperature range is limited to static application only.