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Product Description Sheet

ViperLube™ High Performance Synthetic Grease

Maintenance, Repair & Operations, February 2004

PRODUCT DESCRIPTION

LOCTITE® ViperLube™ High Performance Synthetic Grease is an advanced multi-purpose NLGI Grade 2 grease that is composed of synthetic PAO (polyalphaolefin) base stocks and calcium sulphonate additive. The grease is designed for use as a long-life lubricant to provide superior protection in industrial applications.

TYPICAL APPLICATIONS

LOCTITE® ViperLube™ High Performance Synthetic Grease is an excellent lubricant for industrial processes where a wide range of operating temperatures and environments are encountered. LOCTITE® Synthetic Grease is NSF Registered and is acceptable to use as an H1 lubricant for use as a lubricant with incidental food contact in official establishments operating under the Federal meat and poultry inspection process. LOCTITE® High Performance Synthetic Grease may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals, and as a lubricant for machine parts and equipment.

TYPICAL PROPERTIES

Property

Appearance	Smooth cream
Base Oil type	Polyalphaolefin
Specific Gravity @ 25°C, g/cc	0.95 – 1.05
NLGI Grade	2
Penetration, ASTM D217, 1/10 mm	290
Dropping Point, ASTM D2265, °C	318
Flash Point, °C	>190
Bearing Corrosion, ASTM D1743, rating	Pass
Lo Temp. Torq -40°C, ASTM D1478, g-cm	
START	3783
1 HOUR RUNNING	598
Evap. Loss 22 hr, 100°C, ASTM D972, %	0.11
Oil Separation, Cone Bleed @ 100°C, ASTM D6184, %	0.2
Salt Fog Corrosion, ASTM B117, hours	350+
Copper Corrosion, 24 hours @100°C, ASTM D4048	1B
Water Resistance @ 80°C, ASTMD1264, %	0.57
Wear Protection, Scar Diameter, ATM D2266, mm	0.42
EP Performance, ASTM D2596	
Load Wear index, kgf	53.2
Weld Point, kgf	400
Oil Separation in Storage, ASTM D1742, %	NIL
Bomb Oxidation, ASTM D942, kPa drop (1000 hours)	-27.6
Wheel Bearing Leakage, ATM D4290, g	4.51
Dielectric Strength, ASTM D-149, 50mil gap volt/mil	358
Dielectric Constant, ATM D-150, @1kHz	3.006
Volume Resistivity, ASTM D-1169, ohm-cm	1.81 x 10 ¹⁰

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

COMPATIBILITY

Since plastics and elastomers can be formulated and manufactured to have a wide range of physical properties, it is recommended that compatibility for the particular grade or product formulation be established for the specific application.

Elastomer Compatibility, NBR-L

Percent Swell, ASTM D4289, 70 hours @ 150°C, % swell	2.96
Hardness Change, durometer, Shore A, pts	-1

Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data.

Ordering Information

Item Numbers	Container Size
36780	1 cc pouch
36781	3 oz tube
36782	400 gm cartridge
36783	400 gm can
36784	0.5 oz tube

Storage

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° to 28°C (46° to 82°F) unless otherwise labeled. To prevent contamination of unused product, do not return any material to its original container. For specific shelf-life information, contact your local Technical Service Center.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Loctite Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loctite Corporation's products. Loctite Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Loctite Corporation patents that may cover such

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processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

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