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Product Description Sheet

Super Lube® Synthetic-Based Lubricant with PTFE

Maintenance, Repair & Operations, November 2001

PRODUCT DESCRIPTION

Super Lube® Grease with PTFE is a patented, multi-purpose synthetic lubricant that contains PTFE particles held in suspension. Withstands temperatures from -45°F to 450°F (-42°C to 232°C).

PRODUCT FEATURES

- Provides more reliable lubrication and outlasts petroleum based greases and oils
- Withstands continuous temperatures to 450°F.
- Remains free flowing in freezing temperatures
- Contains PTFE particles held in suspension
- Thixotropic. Thins at points of shear in high operating speeds for the most effective film strength and returns to original viscosity as speeds are reduced
- Non-toxic
- Non-flammable
- Odorless

TYPICAL APPLICATIONS

- Bearings
- Chains
- Pumps
- Open gears
- Compressors
- Valves
- Conveyors
- Food processing equipment
- Slides

DIRECTIONS FOR USE

Apply Super Lube® Grease with PTFE. Inspect parts and re-lubricate as needed.

PERFORMANCE OF UNCURED MATERIAL

	Typical Value
Chemical Type	Synthetic hydrocarbon, PTFE resin
Appearance	Translucent white to slightly yellow grease
Odor	Slight
Specific Gravity	0.87 - 0.89
Flash Point, COC, °F (°C)	>428 (220)
NLGI Grade	No. 2
Penetration (unworked), mm/10	280
Dropping Point	Non-melt
Four Ball EP Test, ASTM D 2596	
Load Wear Index, kg.	42.53
Weld Point, kg.	200
Four Ball Wear Test, ASTM D 2266	
Scar Diameter, mm	0.50
Salt Spray Test, ASTM B 117	Pass
Dielectric Loss, ASTM D 924	1.2 x 10 ¹²
Dielectric Resistivity, ASTM D 1169	1.7 x 10 ¹⁴
Dielectric Constant, ASTM D 924	2.5
Oil Separation, ASTM D 1402	None
Evaporation Loss, ASTM D 972 (22 hrs. @ 212°F (100°C)), %	<1
Oxidation Stability, ASTM D 942 100 hours	Pass

COMPATIBILITY

Super Lube® is an inert substance and safe on all surfaces, including plastic, metal and rubber. The aerosol formulation may attack some plastics, therefore a test patch is recommended.

Super Lube® is compatible with all petroleum based greases and oils. It is not necessary to drain and flush the system before switching to Super Lube.

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).

Ordering Information

Item Number	Container Size
82340	1 cc Kit Sized Packet
82324	0.5 oz. Net Wt. Tube, Carded
82325	3 oz. Net. Wt. Tube, Carded
23755	6 oz. Net Wt. Aerosol
20029	11 oz. Net Wt. Aerosol
82328	14.1 oz. Net Wt. Grease Cartridge
82329	1 lb. Net Wt. Plastic Jar
82330	5 lb. Net Wt. Pail
82331	30 lb. Net Wt. Pail
82357	120 lb. Net Wt. Pail

Storage

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

Data Ranges

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

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 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.