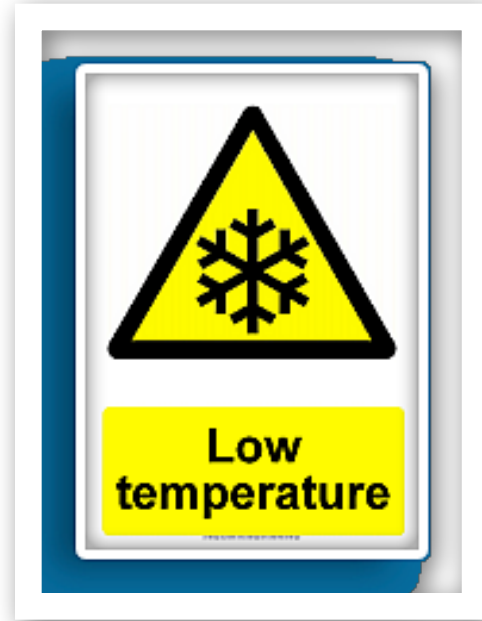


# JIT SILICONES +

## Low Temp Silicone Grease

### Low Temp Silicone Grease

- Primary Use:
  - Lubrication of low load ball bearings especially at extremely low temperature operations
  - Freezer Carts
  - Cold room equipment
  - cold northern outdoor environments
- Off White Color
- Service Temperature -103° F to 400° F
- Silicone base oil w/lithium thickener
- **NLGI #1 (light) is standard**
  - Available in NLGI #2 (medium) consistency



#### Standard package sizes:

ITEM #	SIZE	NOTE
<b>20032 (light)</b> <i>20036 (medium)</i>	<b>5.3oz Tube</b>	<b>12 Tubes Per Standard Box</b>
<i>20037 (medium)</i>	<b>14.1oz Cartridge</b>	<b>Grease Gun Cartridge (10/box)</b>
<b>20033 (light)</b> <i>20038 (medium)</i>	<b>8 lb Pail</b>	<b>Plastic Pail</b>
<b>20034 (light)</b> <i>20039 (medium)</i>	<b>5 Gallon Pail</b>	<b>Plastic Pail</b>
<b>20035 (light)</b> <i>20040 (medium)</i>	<b>55 Gallon Drum</b>	<b>Metal Drum</b>

### JIT Silicones +

P.O. Box 24  
Mars, PA 16046  
Phone: (855) JIT-PLUS (855) 548-7587

[www.jitsiliconesplus.com](http://www.jitsiliconesplus.com)

#### Available from:



# TECHNICAL DATA SHEET

## Low Temp Silicone Grease

rev. 02-2015

### FEATURES

- Resistance to oxidation, moisture and corrosive atmospheres
- Inertness
- Good shear stability
- Wide service temperature range -75° to 204°C (-103° F to 400° F)
- Compatible with many plastics
- Comparable to Dow Corning® Molykote® 33

### COMPOSITION

- Phenylmethyl silicone oil
- Lithium soap

### APPLICATIONS

- Anti-friction bearings
- Slide Rails
- Cold room conveyor equipment
- Dryers
- Fan assemblies
- Ball & Socket Connections
- Photographic, optical and surveying equipment
- Starter clutch drives
- Freezer cart casters
- Utility disconnect switch contacts
- Plastic electric clock motors
- Power-factor meters, watt-hour meters, Maximum-demand meters
- Windshield wiper motor gears
- Oscillographs and geophysical and instruments
- Light, low-torque instruments
- O-Ring lubricant for paintball guns or markers

**Usable Life & Storage** -- When stored at or below 32°C (89.6°F), this product has a minimum usable life of 60 months from date of production.

**Handling Precautions** - See MSDS Sheet

*Low Temp Silicone Grease* is formulated with a silicone base oil and lithium soap thickener available in light and medium consistencies - NLGI Grades #1 and #2. This material was designed to protect metal/metal surfaces as well as plastic and rubber substrates. It is an excellent product to lubricate anti-friction bearings as well as plastic and rubber parts.

### TYPICAL PROPERTIES

The values reported on this sheet should not solely be used for preparing specifications on this product. Please contact JIT Silicones Plus for assistance in preparing a specification.

<u>Property</u>	<u>Test Method</u>	<u>Typical Value</u>
Color	Visual	Off White
Base Oil / Visc @ 40°C		Silicone / 76 cSt
Thickener		Lithium Soap
NLGI Grade	ASTM D 217	#1 - #2
Specific Gravity @25°C	DIN 51 817	1.05
Bleed%, (200°C /24hrs)		< 2.0%
Evaporation%, (200°C /24hrs)		< 3.0%
Penetration, unworked	ASTM D 217	280
Dropping Point	ASTM D 2265	220°C
Four Ball Weld, load (KG)	ASTM D 2266	120
Max D	ASTM D 2266	250,000(Lt), 200,000(Med)
Service Temperature Range		-75 to 204°C
Corrosion (Copper Substrate)	ASTM D 1743	No effect

### CERTIFICATION

*Low Temp Silicone Grease* meets the requirements for **MIL G 46886** designed to withstand extreme low temperatures (-75°C) and lubricate closed systems or difficult to maintain joints, bearings or motors.

### LIMITATIONS

*Low Temp Silicone Grease* should not be applied to surfaces that are to be painted or used with highly loaded ferrous metal bearing combinations, especially where sliding friction is encountered.

### PACKAGING

Available in in 55 gallon drums (400 lbs.), 5 gallon pails (40 lbs.), 1 gallon pails (8lbs.), and 5.3oz tubes

**Limited Warranty - Please Read Carefully**The information contained herein is offered in good faith and is believed to be accurate. However, Because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that JIT Silicones + (JIT) products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

JIT's sole warranty is that the product will meet the sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. JIT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. JIT DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.