

JIT SILICONES +

High Temp Silicone Grease

High Temp Silicone Grease

- Primary Use:
Lubrication of low load ball bearings especially in extremely high temperature operations
 - Kiln preheater fans
 - Oven fans
 - Radiator cooling fans
- Off White Color
- Service Temperature -40° F to 400° F
- Silicone base oil w/lithium thickener
- **NLGI #2 (medium) is standard**
- NLGI #1 (light) is also available



Standard package sizes:

ITEM #	SIZE	NOTE
20122 (medium) 20130 (light)	5.3oz Tube	12 Tubes Per Standard Box
20123 (medium) 20132 (light)	14.1oz Grease Cartridge	10 Cartridges per Standard Box
20124 (medium) 20133 (light)	1 Gallon Pail	Plastic Pail
20128 (medium) 20134 (light)	5 Gallon Pail	Plastic Pail
20129 (medium) 20135 (light)	55 Gallon Drum	Metal Drum

JIT Silicones +

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Available from:



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TECHNICAL DATA SHEET
High Temp Silicone Grease

FEATURES

- Resistance to oxidation, moisture and corrosive atmospheres
- Inertness
- Good shear stability
- Wide service temperature range -40° to 204°C (-40° to 400°F)
- Available in NLGI Grades #1 (Light) or #2 (Medium)
- Comparable to Dow Corning® *Molykote*® 44 (light & medium consistencies)

COMPOSITION

- Phenylmethyl silicone oil
- Lithium soap

APPLICATIONS

- Kiln preheater fans
- Oven fans
- Radiator cooling fans
- Textile Slashers and Dryers
- Aircraft engines
- Conveyor systems

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 SDS (Safety Data Sheet)

NOTE: This material is NOT classified as a GHS hazardous substance or mixture

High Temp Silicone Grease is formulated with a silicone base oil and lithium soap thickener available in light and medium consistencies. This material was designed to protect metal on metal bearing surfaces. It is an excellent product to lubricate anti-friction bearings in extremely high temperatures.

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.

Property	Test Method	Typical Value
Color	Visual	Off White
Base Oil		Silicone
Thickener		Lithium Soap
NLGI Grade	ASTM D 217	#1 - #2
Specific Gravity @25°C	DIN 51 817	1.05
Bleed%, (149°C /24hrs)		2.0%
Penetration, worked x 60	ASTM D 217	280 - 300
Dropping Point	ASTM D 2265	220°C
Low Temperature Torque, -40°C	ASTM D 1478-80	
Initial Break-away Torque, Nm		N/A
Torque after 20 min. running time, Nm		124 x 10
Service Temperature Range		-40° to 204°C

LIMITATIONS

High 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

High Temp Silicone Grease is available in 5.3 oz. tubes, 14.1oz cartridges, 18 kg pails, (5 gallon) and 180 kg drums (55 gallon).

Limited Warranty - Please Read CarefullyThe 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.

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