

# JIT SILICONES +

## 83451 Chemical Resistant Bearing Grease

### 83451 Chemical Resistant Bearing Grease

- Primary Use:  
Lubrication of bearings especially in extremely harsh chemical environments
  - Circuit Breakers
  - Pumps
  - Chemical exposure
- White Color
- Service Temperature -40° F to 450° F
- Fluorosilicone base oil w/ fluorinated polymer thickener
- NLGI #2



#### Standard package sizes:

ITEM #	SIZE	NOTE
22001	85G Tube	12 Tubes Per Standard Box
22002	550G Grease Cartridge	10 Cartridges per Standard Box
22003	4.5 KG Pail	Plastic Pail
22004	18.1KG Pail	Plastic Pail

## JIT Silicones +

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#### Available from:



# 83451 Chemical Resistant Bearing Grease

## Technical Data

### FEATURES

- Provides superior resistance to most chemicals
- Good load carrying ability
- Effective in high temperatures - range of -40°F to 450°F (-40°C to 232°C)
- Compatible with most gaskets and seal materials
- Resistant to washout by water, fuels, oils and solvents
- Comparable to Dow Corning® Molykote® 3451

### COMPOSITION

- Fluorosilicone
- Fluorinated polymers

### APPLICATIONS

- Needle bearings in circuit breakers
- Chemical mixers
- Pumps
- Processing equipment
- Fuel and solvent-handling equipment
- Sealed-for-life bearings designed for high speeds, heavy loads, and high as well as low temperatures

**83451 Chemical Resistant Bearing Grease** is a fluorosilicone based grease thickened with fluorinated polymers. It is an exceptional anti-friction bearing lubricant designed especially for applications subject to a wide range of temperatures, loads and speeds. It performs well in bearings exposed to harsh chemicals or solvents, bearings used at high speeds and bearings subjected to heavy loads. Protects well in harsh environments where solvents may attack or destroy the lubricant.

**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

**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.

### 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	White
Base Oil		Flourosilicone
Thickener		Flourinated polymers
NLGI Grade		#2
Specific Gravity @25°C		1.44
Bleed (150°C /24hrs)		2.7%
Evaporation, (150°C /24hrs)		3.7%
Penetration, worked x 60	ASTM D 217	275
Dropping Point	ASTM D 2265	>536°F (>280°C)
Water Washout, at 80°C	ASTM D 1264	0.3%
Service Temperature		-40 to 232°C -40 to 450°F
Low Temp Torque at -40°C starting	ASTM D 1478	4,000

### LIMITATIONS

83451 should not be applied to surfaces that will be painted. It is not recommended for use with highly oxidative chemicals such as liquid Cl<sub>2</sub> or liquid O<sub>2</sub>. These greases are soluble in ketones such as acetone, methyl ethyl ketone and methyl isobutyl ketone. This product is not tested, nor approved for medical or pharmaceutical uses.

### PACKAGING

83451 is available in (18.1KG) 5 gallon pails, (4.7KG) 1 gallon pails, as well as 550gm cartridges & 85gm tubes