

JIT SILICONES +

NLGI #2 SILICONE COMPOUND

NLGI #2 Silicone Grease

Standard package sizes:

- Primary Use:
 - Dielectric moisture barrier for use on electrical connections
 - Lubricant
- Service Temperature -40° F to 400° F
- Average penetrometer reading 265-275

ITEM #	SIZE	NOTE
SILCMP-3	1gallon/8 lb Pail	Plastic Pail
SILCMP-11	5 Gallon/40 lb Pail	Plastic Pail
SILCMP-7	55 Gallon/400 lb Drum	Metal Drum

JIT Silicones +

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TECHNICAL DATA SHEET

NLGI #2 Silicone Compound

rev. 02-2020

FEATURES

- Highly water repellent
- High dielectric strength
- Low volatility
- Good thermal oxidation and chemical stability
- Retains its grease like consistency from -40°C (-40°F) to 204°C (400°F)
- Odorless
- Adheres readily to dry metals, ceramics, rubber, plastics and insulating resins

COMPOSITION

- Silicone fluids
- Silica filler

APPLICATIONS

- A moisture proof seal for aircraft, automotive and marine ignition systems and spark plug connections
- Disconnection junctions in electrical wiring systems, electrical assemblies and terminals.
- Used as a seal and lubricant for:
 - Cable connectors
 - Battery terminals
 - Rubber door seals
 - Switches
 - Rubber and plastic O-rings
 - Various metal-on-plastic and metal-on-rubber combinations

Other

- Complies with FDA title 21 CFR175.300 Lubricants for Incidental Food Contact

NLGI#2 Silicone Compound is a grease-like compound containing an inert silica filler in combination with selected polydimethyl silicone fluids designed to provide superior release characteristics while maintaining the excellent dielectric properties inherent with silicone compounds. Designed primarily as a rubber and plastic lubricant.

TYPICAL PROPERTIES

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

Property	Test Method	Typical Value
Color	Translucent Paste, Homogeneous	
Specific Gravity	CTM	1.0 g/cm ³
Bleed, (200°C /24hrs)	CTM	4.5%
Evaporation, (200°C /24hrs)	CTM	1.4%
Penetration, unworked	ASTM D 217	265-295
Penetration, worked x 60	ASTM D 217	290
Service Temperature Range		-40° to 204°C
Melting Point		None
Electrical Properties		
Dielectric constant, (100 kHz)	ASTM D 150	3.01
(100 HTZ)	ASTM D 150	2.98
Dielectric Strength, 50 Mil Gap	ASTM D 149	>450V/mil

LIMITATIONS

Should not be applied to any surface to be painted or finished. Coatings may not adhere to the silicone-treated surfaces. This product is not tested, nor approved for medical or pharmaceutical uses.

PACKAGING

NLGI#2 Compound is available in 55 gallon drums (400 lbs.), 5 gallon pails (40 lbs.) or 1 gallon pails (8 lbs.), Special Sizes available on request.

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 Sheet

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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