

NON-CONDUCTIVE LUBE #1711

Dielectric Silicone Grease



Features:

- High dielectric strength of 400 volts per mL
- Helps prevent rust and corrosion
- Waterproof, will not washout
- Creates moisture-proof seal
- Odorless
- Effective from -85°F to 550°F
- Chemical resistant
- Meets MIL SPEC: MIL-S-8660C

Description:

NON-CONDUCTIVE LUBE is formulated from low molecular weight, pure Polydimethylsiloxane base oils and selectively treated with rust, oxidation and anti-wear additives coupled with a shear stable thickener to provide maximum parts protection in a wide range of temperatures from -85°F to 550°F (-65°C to 287.8°C). This product is non-melting, has a high dielectric strength, low volatility and is insoluble in water, methanol, ethanol, dilute acids, caustics, glycol, glycerine, vegetable and mineral oils.

The long service life and chemical resistance of NON-CONDUCTIVE LUBE makes it an excellent lubricant and sealant for many valves including plug, pressure, vacuum and control. It is a very effective lubricant for O-rings and other rubber or plastic applications. It is an excellent choice in a wide variety of automotive, marine, agriculture and industrial applications.



Applications:

- Disc Brake Calipers
- Brake Hardware
- Spark Plug Boots
- Weather Stripping
- Gaskets and O-Rings
- Slides and Ways
- Pool Equipment
- Electrical Connections
- Motion Controllers
- Battery Terminals
- Valves
- Bushings

Product Characteristics:

Appearance:	Translucent, liquid (paste)
Odor:	Sweet (slight)
Boiling Point:	>300°C (>572°F)
Vapor Pressure:	<0.67 kPa (<5 mm Hg) [room temperature]
Vapor Density [Air = 1]:	>1
Viscosity (kinematic):	room temperature: 8500 cm ² /s (850000 cSt)
Specific Gravity (H ₂ O=1)@75°F:	1.00
Solubility (water):	Insoluble
Relative Density:	1.03
Flash Point:	Not available
Evaporation Rate:	Not available
pH:	Not applicable
Storage:	Store locked up. Protect from sunlight. Store in a well-ventilated place.

Transport Information:

UN Number:	UN1950
Proper Shipping Name:	Aerosols, flammable (each not exceeding 1 L capacity) (1, 1-Difluorethane)
Class:	2.1
Packing Group:	Not available

Product Characteristics

TEST	TEST METHOD	RESULTS
Penetration Worked 60 strokes, mm	ASTM D-217	265-295
NLGI No.		2
Flash Point, °F (°C)	ASTM D-92	570 (298.9)
Drop Point, °F (°C)	ASTM D-566	None
Pour Point, °F (°C)	ASTM D-97	-85 (-65)
Base Oil Corrosion Test:	ASTM D-665	
Procedure A (distilled water):		Pass
Procedure B (synthetic sea water):		Pass
Oil Separation, % Loss	FTM 791.321	
24 hrs. @ 392°F (200°C)		1.0
Evaporation Loss, %	FTM 791.321	
24 hrs. @ 392°F (200°C)		1.0
Elastomer Compatibility	ASTM D-4289	
EPDM Rubber, % Change(70 hrs. @ 250°F (121° C)		
Hardness		2.4
Swell		1.8
Water Washout, % max.	ASTM D-1264	0.50
Dielectric Strength volts/mil, min.	ASTM D-149	400
Volume Resistivity, OHM-cm	ASTM D-257	1x10 ¹³

Pictograms:



Signal Word:

WARNING

Personal Protective Equipment Required:



Directions:

Apply directly to area of use.

DOT Placard:



VOC Compliant:

Yes.