



# NC111

## SILICONE NON-CONDUCTIVE GREASE

- GEAR OILS
- MOTOR OILS
- HYDRAULIC OILS
- PIPE COATINGS
- THREAD SEALANTS
- BEARING GREASES
- SPECIALTY GREASES
- THREAD COMPOUNDS
- SUCKER ROD COATINGS
- OUTSIDE PRESERVATIVES
- WIRELINE GREASE SEALS
- CLEANERS & DEGREASERS
- PIPE STORAGE COMPOUNDS
- RUST & CORROSION INHIBITORS
- THREAD LOCKING COMPOUNDS
- VALVE LUBRICANTS & SEALANTS
- TOOL JOINT & DRILL COLLAR COMPOUNDS

### PRODUCT DESCRIPTION

NC111 Silicone Non-Conductive Grease is a high viscosity, silicone-based grease that is used where non-conductive performance is required. It is thermally stable, chemically inert, and will not affect rubber or plastics. It is resistant to numerous organic and inorganic chemicals including CO<sub>2</sub>, moisture, and oxidation. This odorless grease is non-toxic and non-melting and does not dry out during service. NC111 services temperatures from -50°F to >+500°F (-45°C to >+260°C).

NC111 is an excellent valve lubricant and sealant. NC111 is also recommended for use in downhole tools or equipment and allows ease of operation and disassembly.

### BENEFITS

- Resists CO<sub>2</sub> (Carbon Dioxide)
- Temperature range of -50°F to >+500°F (-45°C to >+260°C)
- Excellent rubber lubricant
- Insoluble in water, oilfield brine, and hydrochloric acid
- Non-melting
- Non-separating
- Resistant to wide variety of chemicals
- Odorless
- Excellent leak resistance
- Contains no bentonite or soaps
- Non-conductive grease
- Resistant to oxidation
- Moisture resistant
- Does not dry out
- Non-volatile

### RELATED PRODUCTS

- 101S CO<sub>2</sub> Resistant Film Forming Lubricant
- 161 Resist-All Silicone Compound
- 161L Resist-All Silicone Compound with LIQUILON®\*
- 230 Extended Life Non-Conductive Grease
- 230L Extended Life Non-Conductive Grease with LIQUILON®\*
- 974 Long Life Silicone Fluid
- 979 Silicone Oil
- NC112 Silicone Non-Conductive Grease

### TYPICAL OBSERVATIONS

Color	White
Texture	Smooth Paste
Density, lb/gal @ 77°F (25°C)	8.0
g/ml @ 77°F (25°C)	1.0
Specific Gravity, @ 77°F (25°C)	0.959
Dropping Point, ASTM D-2265	>500°F (>260°C)
Flash Point, ASTM D-92 based on oil	>500°F (>260°C)
Penetration,	
unworked	170–200
worked, 60 strokes	230–260
Corrosion Preventive Properties,	
ASTM D-1743 @ 125°F (51°C)	Pass
Water Washout Characteristics,	
ASTM D-1264 @ 100°F (37°C)	Nil
Evaporation Loss, ASTM D-972	
@ 210°F (98°C)	0.21%
Oil Separation, ASTM D-1742 @ 77°F (25°C)	Nil
Oxidation Stability, ASTM D-942	
210°F (98°C), 72 hrs. psi loss	3
Shelf Life (unopened container)	Two years

### APPLICATION

NC111 is recommended for the following industries: Electric Wireline, Valve Manufacturers, Pipe Line Companies, Utilities, Gathering Systems, Valve Rebuilders, Chemical Processing and Refineries.

Apply NC111 to perforating guns, wireline tools, plug valves, ball valves, and gate valves in high or low pressure operations.

NC111 may be used to seal outdoor equipment, as a chemical barrier, a lubricant for rubber and plastic O-rings, a valve stem lubricant, on gaskets to prevent sticking to metal, a lubricant for valves, and to lubricate rubber and plastic.

Apply NC111 by hand, brushing, or wiping, or by injecting with a high pressure grease gun.

