



Liquid-O-Ring®*

YOUR SUPER CENTER FOR OVER 1,000 TOP PERFORMANCE
PRODUCTS SERVING INDUSTRIES WORLDWIDE

WWW.LIQUIDORING.COM

NC111

SILICONE NON-CONDUCTIVE GREASE

ANTI-SEIZE/EXTREME
TEMPERATURE
COMPOUNDS

CLEANERS &
DEGREASERS

MULTI-PURPOSE
GREASES

PIPE COATINGS

PIPE STORAGE
COMPOUNDS

PUMP PACKINGS

RUST AND CORROSION
INHIBITORS

SPECIALTY FLUIDS

SPECIALTY LUBRICANTS

SPECIALTY SEALANTS

SPECIALTY OILS
& ADDITIVES

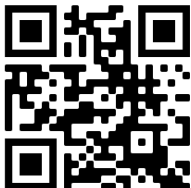
THREAD COMPOUNDS
(DRILLING/TOOL JOINT,
TUBING/CASING)

THREAD LOCKING
COMPOUNDS

THREAD SEALANTS

VALVE LUBRICANTS,
SEALANTS AND
CLEANERS

WIRELINE GREASES
& LINE SPRAYS



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 CO₂, 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 CO₂ (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 CO₂ 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.

© 2022, BALMAR LLC

Made in U.S.A.

WARRANTY Because the conditions of use and the supervision of application are beyond our control, we assume no liability for any product failure or other damage beyond the purchase price of the material furnished by us. No agent, representative, or employee of this Company is authorized to change this provision, which relates to all goods delivered, whether sold, delivered as samples, or otherwise. Each user should independently determine the suitability of this product based on their specific application.

OIL CENTER RESEARCH INTERNATIONAL, LLC

106 Montrose Ave. | Lafayette, LA 70503 USA
(337) 993-3559 | info@liquidoring.com

*Registered trade name of Oil Center Research, Inc. The product information and specifications listed in this publication are constantly being updated to keep up with government regulations and technology changes. Please visit our web site, www.oilcenter.com, or contact your Account Representative for the most current information relating to this product.