

DRILLING COMPOUND

HONEY KOTE®



5 Gallon Plastic Pail

PRODUCT CHARACTERISTICS

Color: Copper
Penetration: 320-340 (ASTM D 217)
NLGI Grade: 1
Weight/Gallon: 11 pounds/gallon
Thickener: Complex
Fluid Type: Petroleum
Dropping Point: ≥500°F/260°C (typ)
Flash Point: ≥392°F/200°C (min)
Brushable To: 0°F/-18°C
Service Rating: 600°F (316°C)
Friction Factor: 1.2*
Contains: Copper, graphite, and other nonmetallic additives

*API RP 7A1: "Recommended Practice for Testing of Thread Compound for Rotary-Shouldered Connections" NOTE: Due to operation and equipment variables, this value may require adjustment based on field experience.

API and IADC tables for drill collars and drill pipe are minimum torque values. BESTOLIFE recommends an additional 10-15% torque beyond the minimum torque specified by these tables to be applied to ensure maximum performance and protection when using BESTOLIFE copper compounds.

**NSF Registration No. 153480 Category Code: H2

DESCRIPTION

HONEY KOTE® from BESTOLIFE is the superior choice when maximum protection against seizing, galling, and load-bearing stress is critical. Specially formulated to resist washout and corrosion while providing ultimate efficiency in higher temperature environments. Also provides long-term storage protection for threaded surfaces in a variety of conditions! NSF H2 registered.**

APPLICATIONS

HONEY KOTE® is a non-lead, non-zinc compound for drill collars and drill pipe. Recommended for all drilling applications (rotary-shouldered connections), including high temperature environments. HONEY KOTE® is also effective for use as long-term storage protection for threaded surfaces.

TECHNICAL DATA

- Grease base with excellent water resistance and inherent extreme pressure protection
- Superb protection against seizing and galling at more than 54k ft/lbs on NC50 tool joints
- Average break out torque ratio: 89% of makeup
- Successfully pressure tested up to 25,000 psi
- Contains inhibitors to protect against rust and corrosion
- Salt Spray: 2,500 hrs (ASTM B117)
- BESTOLIFE HONEY KOTE® meets or exceeds the listed performance objectives in API RP 5A3/ ISO 13678.

PACKAGING

PRODUCT NUMBER	CONTAINER SIZE	CONTAINER WEIGHT
659000	5 gallon	50 pounds plastic
659001	5 gallon	50 pounds metal



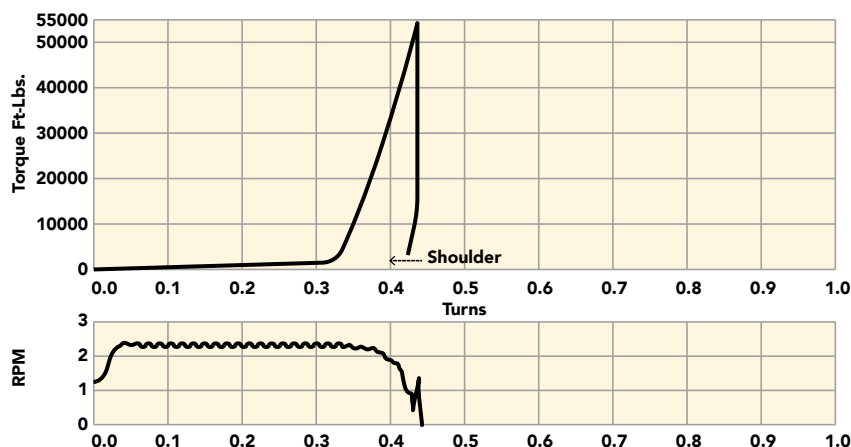
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BEARING STRESS

Bearing stress is the contact pressure between the pin and box at the make-up shoulder. As the tool joint is tightened, the bearing stress at the make-shoulder increases. The maximum bearing stress is the function of the maximum torque and the total area of make-up shoulder.

BESTOLIFE HONEY KOTE® protected the NC50 tool joint from galling caused by high bearing stresses. The 54,500 ft-lbs. created calculated bearing stress on the make-up shoulder to 143,500 psi.



PRESSURE TEST

The pressure test objective is to show the ability of BESTOLIFE HONEY KOTE® to seal very high pressure at the make-up shoulder. The test was conducted by increasing pressure incrementally up to 25,000 psi, about 10,000 psi higher than pressure used in fracking operations.

