JET-LUE **KOPR-KOTE**[®] **TOOL JOINT & DRILL COLLAR COMPOUND** 广州孚润 400-992-6811

DESCRIPTION

KOPR-KOTE[®] drill collar and tool joint compound is a Premium guality, unleaded compound containing copper flake, graphite, and other natural extreme pressure and anti-wear additives. KOPR-KOTE's solids package is formulated to prevent excessive circumferential makeup by increasing the coefficient of friction under compressive forces. As stress levels rise above 50% of yield, the friction factor increases, limiting downhole makeup. Full hydraulic joint efficiency is maintained allowing joint shoulder faces to mate completely without standoff or deformation. For invert or high-pH muds, use Jet-Lube® EXTREME®. For wedgetype thread connections, use NCS-30[®] ECF[™] for best thread-wear protection.

- · Not classified as a marine pollutant DOT Approval CA2004080025
- · Contains no lead or zinc.
- NSF H2 Registered
- · Extreme-pressure additives provide additional protection
- against seizing and galling and allow consistent make- up. · Aluminum-complex grease base protects against rust and
- corrosion. · Sticks to wet joints.
- · Unequaled resistance to makeup down-hole.
- · Available in Arctic, Thermal, and Specialty grades.

· Approved by NAM/Shell for under-balanced drilling applications.

For optimum performance on API drill string connections, KOPR-KOTE® should be utilized with the torque charts in API RP7G by multiplying the torque value by 1.15 or by contacting the drill pipe and connection manufacturer. Friction factors for KOPR-KOTE were developed using full scale API tool Joint connections.

Premium drill string connections such as HI-TORQUE® (HT), eXtreme® Torque (XT®) and XT-M™ connections, etc., utilize make-up torques based upon thread compound friction factors of 1.0. Therefore, use the torgue provided by the premium connection manufacturer. Adjusting make-up torque based on thread compound friction factor may still be advised.

> SERVICE RATING: 0°F (-18°C) TO 450° (232°C)

PRODUCT CHARACTERISTICS

Thickener Fluid Type	Complex soap Petroleum	
Dropping Point	450°F (232°C)	
(ASTM D-2265)		
Specific Gravity	1.15	
Density (lb/gal)	9.6	
Oil Separation (ASTM D-6184)	<3.0	
WT. % LOSS @ 212°F (100°C)		
Flash Point (ASTM D-92)	>430°F (221°C)	
NLGI Grade	1	
Penetration @ 77°F	310 - 330	
(ASTM D-217)		
Copper Strip Corrosion	1A, typical	
(ASTM D-4048)		
4-Ball (ASTM D-2596)	800, typical	
Weld Point, kgf		
Friction Factor*	1.15 (standard service)	
(Relative to API RP 7G)	1.25 (very severe service)	

* Many factors such as pipe size, thread geometry, drilling mud contamination, etc. affect the friction factor. This is a relative number and in all applications experience and prior knowledge should be used to adjust make-up torque accordingly. Contact your drill pipe manufacturer for torque and friction- related specifications.

PACKAGING

Code No.	Container Size	Shipping Wt.
10123	1 gal.	11 lb.
10113	2 ½ gal.	26 lb.
10115	5 gal.	52 lb.
10124	15 gal.	152 lb.
10129	50 gal.	514 lb.

For package types and part numbers contact sales@jetlube.com.

LIMITED WARRANTY

For warranty information please visit http://www.jetlube.com/pdf/Jet-Lube Warranty.pdf

You can also email us at sales@jetlube.com or write to the Sales Department at the address below.