



KOPR-KOTE® ARCTIC

TOOL JOINT & DRILL COLLAR COMPOUND

DESCRIPTION

KOPR-KOTE® ARCTIC drill collar, tool joint and drill rod compound is a premium-quality, unleaded compound containing copper flake, graphite, and other natural extreme pressure and anti-wear additives. **KOPR-KOTE® ARCTIC** uses the same solids package formulated to prevent excessive circumferential makeup by increasing the coefficient of friction under compressive forces as standard **KOPR-KOTE®**. 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 the severe cold drilling applications **KOPR-KOTE ARCTIC** utilizes a very low pour-point naphthenic oil which greatly improves the applicability of the compound to the connection while providing the same water resistance of standard **KOPR-KOTE**. **For invert or high-pH muds, use Jet-Lube EXTREME™.**

KOPR-KOTE® ARCTIC

- **Not classified as marine pollutant - DOT Approval CA2004080025**
- Improved low temperature applicability in the Arctic Grade.
- Contains no lead or zinc.
- Extreme pressure additives provide additional protection against seizing and galling and allow consistent make-up.
- Anhydrous calcium grease base protects against rust and corrosion.
- Sticks to wet joints.
- Unequaled resistance to makeup downhole.
Available in Standard, Thermal and Specialty grades

PRODUCT CHARACTERISTICS

Thickener	Anhydrous Calcium
Fluid Type	Petroleum
Dropping Point (ASTM D-2265)	<300°F (149°C)
Specific Gravity	1.15
Density (lb/gal)	9.6
Oil Separation (ASTM D-6184) WT. % LOSS @ 212°F (100°C)	<5.0
Flash Point (ASTM D-92)	>320°F (160°C)
NLGI Grade	1
Penetration @ 77°F (ASTM D-217)	310 -335
Copper Strip Corrosion (ASTM D-4048)	1A, typical
4-Ball (ASTM D-2596) Weld Point, kgf	800, typical

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.