

POW'R-KOTE®

PREMIUM NONMETALLIC, EXTREME-SERVICE TOOL JOINT COMPOUND

DESCRIPTION

JET-LUBE's new generation, PREMIUM drill collar and tool joint compound, POW'R-KOTE, is formulated from a patented blend of nonmetallic, environmentally acceptable ingredients.

- Highly recommended for large diameter drill collars
- POW'R-KOTE not only meets, but exceeds industry performance and environmental compliance standards.
- POW'R-KOTE is recommended for the most extreme drilling conditions, including geothermal wells, high angle holes, extended reach, sidetrack reentry and horizontal drilling applications.
- POW'R-KOTE is especially effective in helping prevent excessive circumferential make-up.
- Formulated with a patented blend of high tech polymers, graphite and other additives.
- Inhibitors to protect against rust and corrosion.
- Brushable over a wide temperature range.
- Available in Arctic, Thermal and Specialty grades.
- California Code of Regulations, Title 22 compliant.

This premium product utilizes sophisticated, high strength polymers as well as graphite and other naturally occurring, extreme pressure and anti-wear additives in a synergistic blend that locks together under high loads to resist galling and seizure. The exceptional film strength is measured by the 1000 kgf weld point in the ASTM D-2596 4-Ball EP test. The additives package is blended into JET-LUBE's high temperature, aluminum complex base grease that is fortified with antioxidants and rust and corrosion inhibitors to provide long lasting performance in a wide range of conditions.

POW'R-KOTE has been designed to utilize the makeup charts in API RP7G by multiplying the torque by 1.15. In the more severe drilling situations such as higher speeds, higher penetration rates, deviated holes or harder formations, drill collars should be made up 25% over the listed RP7G values.

APPLICATIONS

POW'R-KOTE is recommended for the entire drill string in standard and severe drilling conditions. POW'R-KOTE can be manufactured using a biodegradable base grease or the Extreme base for use in ecologically sensitive applications or with difficult invert of high pH muds.

PRODUCT CHARACTERISTICS

Thickener	Aluminum Complex
Fluid Type	Petroleum
Dropping Point (ASTM D-566)	450°F (232°C)
Specific Gravity	1.1
Density (lb/gal)	9.16
Oil Separation	<3.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1
Penetration @ 77°F (ASTM D-217)	310-330
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
Weld Point, kgf	1000
Friction Factor	1.15 (standard service)
(Relative to API RP 7G)	1.25 (severe service)

PACKAGING

Code No.	Container Size	Shipping Wt.
15723	1 gal.	10 lb.
15713	2 ½ gal.	26 lb.
15715	5 gal. (plastic)	48 lb.
15717	5 gal. (metal)	48 lb.
15724	15 gal.	147 lb.
15729	50 gal.	489 lb.

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery this product shall be free from defects in Jet-Lube, Inc. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.

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