

POW'R-KOTE®

Drill Collar & Tool Joint Compound



TECHNICAL DATA SHEET

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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. It is developed essentially for invert wells and for use in extreme downhole drilling conditions.

- **POW'KOTE** not only meets, but exceeds industry performance and environmental compliance standards.
- **POW'KOTE** is recommended for the most extreme drilling conditions, including invert and geothermal wells, high angle holes, extended reach, sidetrack, re-entry and horizontal drilling applications.
- **POW'KOTE** is especially effective in helping prevent excessive circumferential make-up.

This premium product utilizes sophisticated, high strength polymers as well as graphite and other 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 E.P. Test. These are blended into Jet-Lube's high temperature aluminum stearate base grease that is fortified with antioxidants and rust and corrosion inhibitors to provide long-lasting performance in a wide range of conditions.

APPLICATIONS

POW'KOTE is recommended for the entire drill string in standard and severe drilling conditions. It has been designed to utilize the makeup charts in API RP7G. In the more severe drilling situations such as higher speed, higher penetration rates, deviated holes or harder formations, drill collars should be made up at least 15% over the listed RP7G values

OPERATING RANGE:

-18°C to 205°C (0°F to 400°F)

CHARACTERISTICS

- Contains no lead or zinc
- Formulated with a patented blend of high tech polymers, graphite and other additives
- Inhibitors to protect against rust and corrosion
- Aluminum stearate grease base for brushability and stability over a wide temperature range
- Sticks to wet joints
- Consistent rig floor makeup
- Unequaled resistance to makeup downhole

PRODUCT SPECIFICATIONS

Thickener	Aluminum Stearate
Fluid Type	Petroleum
Dropping Point (ASTM D-566)	91°C (195°F)
Specific Gravity, Typical	.95
Density (kg/liter), Typical	.95
Oil Separation, Wt. % Loss @ 100°C (212°F)	<3.0%
Flash Point (ASTM D-92)	>221°C (430°F)
NLGI Grade	1
Penetration @ 25°C (77°F) (ASTM D-217)	305
Copper Strip Corrosion (ASTM D-4048)	1A
Shell 4-Ball (ASTM D-2596) Weld Point, kgf	1000
Friction Factor (Relative to API RP 7G)	1.0

PACKAGING

Inventory Code	Container Size	Container
15715	15 Liter	Pail

LIMITED WARRANTY

Jet-Lube of Canada makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube of Canada Ltd. 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 of Canada Ltd.

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 of Canada Ltd. shall not be liable for incidental or consequential damages.

