

# WHITE LIGHTNING™

A TOTALLY NONMETALLIC, ECONOMICAL, THREAD COMPOUND FOR USE ON DRILL STRINGS (Contains PTFE)

## DESCRIPTION

WHITE LIGHTNING™ is a nonmetallic PTFE-based compound manufactured by JET-LUBE®. Based on some of the same chemistries used to develop patented POW'R-KOTE®, KOV'R-KOTE® and NCS-30®, WHITE LIGHTNING has been developed as a multi-functional, nonmetallic, economical thread compound.

The synergistic, complex blend of additives locks together under pressure to resist galling, seizure and down-hole makeup. The base grease utilized in WHITE LIGHTNING gives the compound both moderate heat and good water resistance characteristics. WHITE LIGHTNING's film strength is sufficient enough to allow its use on bottom-hole assemblies.

The combined high percentage of pure PTFE and calcium fluoride along with our time tested anti-corrosion and EP additive package in WHITE LIGHTNING provides both excellent anti-galling properties along with extended rust and corrosion resistance. The frictional properties have been carefully balanced to achieve a torque factor of 1.0 (per API RP 7A1).

- Nonmetallic
- Formulated with a patented blend of PTFE, calcium fluoride, high tech polymers and other additives.
- Contains additives for rust, corrosion and oxidation protection
- Sticks to wet or oily threads
- Economical

## APPLICATIONS

WHITE LIGHTNING is designed to work as a nonmetallic anti-seize compound on rotary shouldered connections for a wide range of drilling conditions.

\* For severe applications, KOPR-KOTE, POW'R-KOTE or NCS-30 is recommended.

## PRODUCT CHARACTERISTICS

Thickener	Lithium Complex Petroleum
Fluid Type	Petroleum
Dropping Point (ASTM D-2265)	450°F (232°C)
Specific Gravity	1.39
Density (lb/gal)	11.6
Oil Separation (ASTM D-6184)	<5.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1 to 1½
Penetration @77°F (ASTM D-217)	315 - 340
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
Weld Point, kgf	620
Friction Factor for Drill String (Per RP7G)	
Tool Joints	1.0
Drill Collars	1.0
Service Rating	-20°F (-29°C) to 500°F (260°C)

## PACKAGING

Code No.	Container Size	Shipping Wt
39015	5 gal. Black Plastic Pail	50 lb.
39017	5 gal. Black Metal Pail	50 lb.
39030	3000 lb. Tote	3,900 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.

0911

## CORPORATE LOCATIONS

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