



# TF-15<sup>®</sup> ARCTIC

## SEALING COMPOUND FOR NARROW CLEARANCE THREADS

### DESCRIPTION

**TF-15<sup>®</sup> ARCTIC** Sealing Compound for narrow clearance threads is a high pressure sealant containing PTFE, graphite, rust, corrosion, and oxidation and H<sub>2</sub>S inhibitors. All are blended in **JET-LUBE's** H<sub>2</sub>S resistant grease manufactured using highly-refined, low-sulfur oil to ensure brushability over a wide temperature range, tenacious adherence to all surfaces, resistance to water washout, and prevention of rust/ corrosion. **TF-15<sup>®</sup> ARCTIC** is highly recommended for use on fiberglass casing and tubing by manufacturers.

**TF-15<sup>®</sup> ARCTIC** differs from the standard version using smaller particle sizes of the solids and using some altered shapes of the particles to reduce the extruding of the compound from the threads as the pipe engages. Larger particles are often blocked from the threads and result in compound being wiped from the threads. This can create leak paths within the helical thread void. Reducing the fluid carrier viscosity also reduces the potential for hydraulic cell development in the threads that can lead to incomplete connection engagement. Over time the cell will leak down leading to loose connections and leakage.

\* H<sub>2</sub>S additive available upon request.

- Non Metallic, Non Volatile, Solvent Free
- Lubricates for tighter makeup with less torque
- Seals at temperatures to 600°F
- Seals at pressures to 10,000 psi
- Seals applications exposed to H<sub>2</sub>S and salt water
- 0.7 Friction Factor (relative to API-MODIFIED)

### APPLICATIONS

**TF-15<sup>®</sup> ARCTIC** is expressly formulated for precision threads of API oilfield casing, tubing, line pipe, subsurface production tools, and related accessories, where clearances tend to be tight. It prevents galling and thread wear, seals worn threads, allows for optimum thread engagement and greatly increases connection life.

#### SERVICE RATING

Application Temperature: -30°F (-34°C) to 200°F (93°C)  
Sealing Temperature to 600°F (315°C)  
Pressures to 10,000 psi

### PRODUCT CHARACTERISTICS

Thickener	Calcium Soap
Fluid Type	Petroleum
Dropping Point (ASTM D-2265)	>280°F (138°C)
Specific Gravity	1.20
Density (lb/gal)	10.0
Oil Separation	<3.0
	WT. % LOSS @ 212°F (100°C)
Flash Point (ASTM D-92)	>325°F (163°C)
NLGI Grade	2
Penetration @77°F (ASTM D-217)	275 - 295
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
Weld Point, kgf	≥620
Friction Factor (Relative to API-MODIFIED)	0.7

#### For package types and part numbers

[www.jetlube.com/resources/product-index/](http://www.jetlube.com/resources/product-index/)

#### Limited Warranty

[www.jetlube.com/assets/documents/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/assets/documents/Jet-Lube_Warranty.pdf)