

### DESCRIPTION

**TF-25™ Heavy Duty Thread Sealant** contains, in part, reprocessed PTFE and graphite in a high-melting, high temperature grease vehicle. It is further fortified with rust, corrosion, and oxidation inhibitors. Its lubricating and sealing properties will prevent thread leaks of fluids, gases, or steam.

Versatile and dependable, **TF-25** can be used for a multitude of low friction, anti-seize applications requiring maximum performance. It is recommended for all critical tubular components from non-precision, loose, and worn threads to high precision threads - particularly those subjected to impact or rough handling upon makeup. It protects all threads from premature wear and prolongs the life of tapered-thread joints under all conditions.

**TF-25** is water resistant, non-hardening, and has a wide variety of applications over extensive temperature and usage ranges. Its ingredients are inert, noncorrosive, and nonconductive. It is easy to use, brushes on readily, and adheres securely - even on wet or oily threads. **TF-25** is completely stable and requires no thinner.

**TF-25** has a plating effect on thread surfaces and creates a chemically impervious seal in the helical passage of threaded connections. It maintains makeup and positive seal under vibration and cyclic loadings, making it particularly effective for use as a sealant on hydraulic systems.

- Lead Free
- Permanent; Non-Hardening
- Contains no metallic additives
- Both lubricates and seals
- Will not run, drip or settle out
- Chemically inert
- May be used on both ferrous and nonferrous metals
- Brushable

### 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	Aluminum Complex
Fluid Type	Petroleum
Color/Appearance	Black, Grainy Paste
Dropping Point (ASTM D-566)	450°F (232°C)
Specific Gravity	1.21
Density (lb/gal)	10.10
Oil Separation	<3.0
WT. % LOSS @ 212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
Brushable to	0°F (-18°C)
Penetration @ 77°F (ASTM D-217)	285 – 315
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
Weld Point, kgf	620
Service Rating	
Temperatures to	600°F (316°C)
Pressures to	10,000 psi
Service Rating	-50°F (-46°C) to 600°F (316°C)

**NOT FOR USE ON OXYGEN LINES.**

### APPLICATIONS

Recommended as a pipe joint lubricant and sealant on all types of threads; primarily on lines carrying water, steam, acids, oils, fuels, glycols, caustics, solvents, petroleum gases, other gases (except oxygen), alkalis, butane, propane, odorants, refrigerants, anhydrous ammonia, and corrosive products.

Use **TF-25** wherever a lubricating shield will save parts, labor, and downtime. Use it on splines, lathe centers, keyways, sleeves, and press fittings. **TF-25** allows limitless reuse of fittings.

**TF-25 Heavy Duty Thread Sealant** is the ideal sealant for use on pipe diameters larger than 3½".

**For package types and part numbers**

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**Limited Warranty**

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