



# TC30

## PREMIUM GRADE ANTI-GALLING THREAD COMPOUND

- GEAR OILS
- MOTOR OILS
- HYDRAULIC OILS
- PIPE COATINGS
- THREAD SEALANTS
- BEARING GREASES
- SPECIALTY GREASES
- THREAD COMPOUNDS
- SUCKER ROD COATINGS
- OUTSIDE PRESERVATIVES
- WIRELINE GREASE SEALS
- CLEANERS & DEGREASERS
- PIPE STORAGE COMPOUNDS
- RUST & CORROSION INHIBITORS
- THREAD LOCKING COMPOUNDS
- VALVE LUBRICANTS & SEALANTS
- TOOL JOINT & DRILL COLLAR COMPOUNDS

### PRODUCT DESCRIPTION

TC30 is a premium grade non-conductive, anti-galling thread compound. This non-metallic compound contains extreme pressure and anti-wear additives in a complex base grease for increased performance capabilities. TC30 provides superior adhesion to wet joints and is resistant to water and most drilling muds. The extreme pressure additives of TC30 provide additional protection against galling and seizing. TC30 provides superior anti-seize and anti-galling performance on high chrome and nickel alloys making it an ideal thread compound for industrial and petrochemical plant applications. Recommended for all drilling including oil well, waterwell, and HDD applications.

### BENEFITS

- Non-conductive
- Anti-galling
- Non-metallic
- Extreme pressure additives
- Superior adhesion
- Water resistant
- Resistant to most drilling muds
- Ideal for casing drilling and premium connection applications
- Horizontal directional drilling
- Oilfield drill pipe and drill collars
- Oilfield tubing and casing
- Water well drilling

### APPLICATION

TC30 is a premium grade non-conductive, anti-galling thread compound for drilling applications with temperatures from -20°F to 500°F (-29°C to 260°C). It can be used on oil well drill pipe and drill collars, tubing and casing, water well drill pipe and HDD drill pipe and drill rods.

### TYPICAL OBSERVATIONS

Color	Tan
Appearance	Smooth Paste
Thickener	Calcium Sulfonate Complex Base
Fluid Type	Petroleum
Density, lb/gal @ 77°F (25°C)	11.15
Specific Gravity, @ 77°F (25°C)	1.34
Dropping Point, ASTM D-2265	>500°F (260°C)
Flash Point, ASTM D-92	>450°F (232°C)
Penetration, ASTM D-217	
worked @ 77°F *(25°C)	290–320
Oil Separation, ASTM D-6184	
Wt. % Loss @ 212°F (100°C)	<3.0
4-Ball Weld Load, ASTM D-2596	315 kg
Copper Strip Corrosion, ASTM D-4048	1A, typical
Friction Factor	
Relative to 60% Lead, API RP 5A3 Annex I	
(for drill pipe, drill collar and tool joint connections)	1.1
Relative to API Modified, API RP 5A3 Annex A	
(for tubing, casing, and premium connections)	1.2
Temperature Range	
Drilling Application	-20°F to 500°F
	(-29°C to 260°C)
Anti-seize Application	-65°F to 2600°F
	(-54°C to 1317°C)
Shelf Life (unopened container)	Four years

### RELATED PRODUCTS

- 167ML50 Premium Anti-Seize, Anti-Gall Thread Lubricant (for chrome and nickel alloy pipe)
- 201EG Metal-Free, Environmental Grade Tool Joint Compound
- 220 Copper Seal Premium, Lead-Free Drill Collar Compound
- 235 Biodegradable Tool Joint and Drill Collar Compound
- 236 Metal-Free Tool Joint and Drill Collar Compound
- ZN50 50% Zinc Tool Joint Compound



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