

PTC3 PREMIUM THREAD COMPOUND

PTC3 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. PTC3 provides superior adhesion to wet joints and is resistant to water and most drilling muds. The extreme pressure additives of PTC3 provide additional protection against galling and seizing.

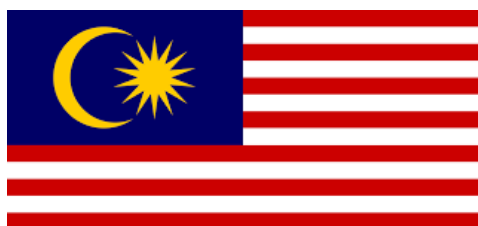
- FEATURES:**
- Non-conductive
 - Anti-galling
 - Non-metallic
 - Extreme pressure additives
 - Superior adhesion
 - Water resistant
 - Resistant to most drilling muds
 - Ideal for casing drilling and premium connection applications
 - Horizontal directional drilling
 - Oilfield drill pipe and drill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

RECOMMENDED USE:

Recommended for all drilling including oil well, waterwell, and HDD applications.

TYPICAL OBSERVATIONS

Color	Tan
Appearance	Smooth Paste
Thickener	Calcium Sulfonate Complex Base
Fluid Type	Petroleum
Density, lb/gal at 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-92	>450°F (232°C)
Penetration, ASTM D-217 worked @ 77°F *(25°C)	290–320
Oil Separation, ASTM D-6184	<3.0
Wt. % Loss @ 212°F (100°C)	
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 7A1	1.15
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



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