



CURÄL™

NONMETALLIC, THREAD COMPOUND
FOR USE ON DRILL STRINGS, TUBING & CASING

DESCRIPTION

CURÄL™ is a nonmetallic pipe thread compound manufactured by **JET-LUBE®**. Based on the same patented Polymer Chemistry used to develop **POW'R-KOTE®** and **KOV'R-KOTE®**, **CURÄL** is a multifunctional, nonmetallic thread compound for API and similar connections.

The synergistic, complex blend of additives lock together under pressure to resist galling, seizure and downhole makeup. The calcium base grease utilized in **CURÄL** gives the compound both moderate heat and good water resistance characteristics. **CURÄL's** film strength is sufficient to allow its use on drill strings for bottom hole assemblies and other light drilling situations as well as workover and production. * **CURÄL** meets the performance specifications described in API specification 5CT and set forth in API RP 5A3.

The wide range of particle sizes in **CURÄL** allows it to perform as a high-pressure sealant for interference fit threads. The frictional properties have been carefully balanced to allow the compound to be used on tubing and casing with little need for torque compensation (friction factor of 1.1 relative to API-MODIFIED).

- Economical
- Multifunctional (for use on both shouldered & interference threads)
- Nonmetallic
- Formulated with a patented blend of high tech polymers, graphite and other additives.
- Contains additives for rust, corrosion and oxidation protection
- Sticks to wet or oily threads
- Arctic and Geothermal grades available

APPLICATIONS

CURÄL is designed to work as an anti-seize compound on shouldered connections, a running and sealing compound on interference threaded connections, and as a short-term storage compound for all types of threaded connections. **CURÄL** provides protection for the workover and production drill string, handling tools, jacking systems, casing, tubing, line pipe, flow lines, subsurface production tools and tank battery installations.

*For the more severe applications, NCS-30 is recommended as a non-metallic premium product.

PRODUCT CHARACTERISTICS

Thickener	Calcium Soap
Fluid Type	Petroleum
Dropping Point (ASTM D-2265)	280°F (138°C)
Specific Gravity	1.32
Density (lb/gal)	11
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 OCTG	
Relative to API-MODIFIED	1.1
Friction Factor for Drill String (Per RP7G)	
Tool Joints	1.1
Drill Collars	1.1