

PRODUCT DESCRIPTION

Syntemp® Drilling Compound 40 is a non-flammable lubricant servicing temperatures from 0°F to 400°F (-17°C to 204°C) and has 10,000 psi service rating. The additives of Syntemp® Drilling Compound 40 provide extreme pressure performance and greater lubricity. An application will prevent down-hole makeup even when situations require excessive torque. As a result, galling is prevented and ease of breakout is assured. This product is an excellent drill pipe and drill collar compound that ensures a seal on rotary shoulder connections.

BENEFITS

- **Lead-free**
- **Friction factor of 1.2**
- **Extreme pressure additives**
- **Excellent lubricity**
- **Prevents downhole makeup**
- **Prevents galling**

TYPICAL OBSERVATIONS

Color	Copper/Brown
Appearance	Smooth Paste
Density, lb/gal@ 77°F (25°C)	9.25
Specific Gravity @ 77°F (25°C)	1.108
Dropping Point, ASTM D-2265	390°F (199°C)
Flash Point, ASTM D-92	>400°F (>204°C)
Friction Factor	1.2
Penetration, ASTM D-217 @ 77°F (25°C)	330–340
Base Oil Viscosity cSt @ 40°C	360
Corrosion Preventive Properties, ASTM D-1743 125°F (51°C)	Pass
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	1.80%
Oil Separation, ASTM D-1742 @ 77°F (25°C)	<1.0%
4-Ball, Weld Point, Kgf (ASTM D-2596)	200 Pass 250 Weld
Salt Spray Test, ASTM B-117	500+ hours
Temperature Range	0°F to 400°F (-17°C to 204°C)
Shelf Life (unopened container)	Two years

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