

# API Modified (Silicone)



API Modified (silicone) was formulated for use on tubing and casing in severe production environments. This compound is formulated following the API 5A3 specification for solids content and percentages. The premium grease base carrier is blended using a conventional hydrocarbon and a high-performance silicone material. The finished product has extreme pressure additives that protect the tubular threads during make-up and breakout.

## ▶ SERVICE RECOMMENDATIONS

API Modified (silicone) is the recommended compound for all casing, tubing, and line pipe having EUE, 8 round, and buttress style connections. It may be used on worn threads to ensure maximum sealing in the helix. API Modified (silicone) is a proven sealant for specialty applications such as storage caverns for butane and ethane.

## ▶ PERFORMANCE CHARACTERISTICS

- An API formula using copper, zinc, graphite and lead powders
- Blended with extreme pressure additives and corrosion inhibitors for maximum thread protection
- Blended with a premium base grease and silicone carrier
- Impervious to ethane, butane

## ▶ PRODUCT SPECIFICATIONS

Thickener	Lithium 12- Hydroxystearate
Fluid Type	Petroleum
Flash Point	> 252 °C/485 °F
Service Rating	200°C / 392°F
NLGI Grade	1
Color	Brown / Copper
Friction Factor	1.0
Pen Range	300 – 360 (ASTM D217) seasonal adjustment
Brushability	-18°C / 0°F
Drop Point	> 204°C / 400°F

## ▶ PACKAGING

20 l steel / 5.0 gallon

Net 22.7 kg / 50 lb

**Note:** The torque correction factor is influenced by a variety of conditions such as pipe size, thread geometry, drilling mud contaminants, and drilling environment. In all applications experience and prior knowledge should be used to adjust make-up torques as the torque correction number provided is relative.

**Warranty:** This compound shall be free of defects at time of manufacture. Warranty shall be limited to the refund of the purchase price. All other liability is negated and disclaimed and Topco Oilsite Products shall not be liable for consequential or incidental damages.



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