

# Balmerol® TC API MOD

High Performance Thread Compound Formulated As Per API Bulletin 5A2

Technical Data Sheet

## Product Description:

Balmerol TC API MOD is a high performance thread dope, specifically developed for oilfield applications, conforming to specifications laid out in API Bulletin 5A2. Balmerol TC API MOD has a special grease base with a combination of metallic copper and zinc powder, which is highly resistant to water and prevents leakage upto 150 °C (constant) and 180 °C (intermittent). The compounded product provides optimum lubrication to prevent galling in threaded connections during make-up. It does not thin down at high temperatures and has no tendency to undergo disintegration or volumetric changes at temperatures up to 150 °C. Balmerol TC API MOD does not contain any material which will evaporate, oxidize or undergo change in properties during usage. It is fully resistant to water absorption and water washout.

## Applications / Recommendations:

Balmerol TC API MOD is suitable as a thread compound for casing, tubing and line pipe joints, operating under pressures up to 10,000 psi. It may be applied with the help of a brush in hot or cold tropical weather condition.

Balmerol TC API MOD is not recommended for use on shouldered connections on tool joints, drill collars, or rock bits.

## Typical Properties:

Balmerol TC API MOD	
Properties	TC API MOD
Appearance / Colour	Smooth & Black
NLGI	1
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	310 -340
Dropping Point °C, ASTM D 566	195
Evaporation Loss, wt. % max (24 hrs @ 100°C), IP 183	2
Sulphur content, wt. %, IP 242	< 0.3

### Health and Safety:

Balmerol TC API MOD is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. For MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

**Balmer Lawrie & Co. Ltd.**

SBU: Greases & Lubricants (G&L) Division

P- 43, Hide Road Extension

Kolkata: 700088

www.balmerlawrie.com