

Balmerol[®] TC API MOD (M)

High Performance Thread Compound Formulated As Per API Bulletin 5A2

Technical Data Sheet

Product Description:

Balmerol TC API MOD (M) is a high performance thread dope, specifically developed for oilfield applications, conforming to specifications laid out in API Bulletin 5A2. Balmerol TC API MOD (M) has a special grease base with a combination of metallic copper and graphite powder, which is highly resistant to water and prevents leakage upto 150 °C (constant) and 180 °C (intermittent). It is devoid of Lead & Zinc.

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 (M) 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 (M) 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 (M) is not recommended for use on shouldered connections on tool joints, drill collars, or rock bits.

Typical Properties:

Balmerol TC API MOD (M)	
Properties	TC API MOD (M)
Thickener	Lithium
Base Oil	Mineral
Appearance / Colour	Smooth & Black
NLGI	2
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	265 - 295
Dropping Point °C minimum, ASTM D 566	180
Evaporation Loss, wt. % max (24 hrs @ 100°C), IP 183	2

Health and Safety:

Balmerol TC API MOD (M) 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:

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