

# Balmerol® Grease TC-Z-50

High Performance Zinc-Based Thread Compound As Per API Bulletin 7A1

Technical Data Sheet

## Product Description:

Balmerol Grease TC-Z-50 is a zinc-based thread compound for oilfield drill pipes conforming to specifications laid out in API Bulletin 7A1. It has a special grease base which is highly resistant to water and prevents leakage at high temperatures. The compounded product provides optimum lubrication to prevent galling and seizing.

Balmerol Grease TC-Z-50 provides adequate protection against corrosion. It does not build up on thread and is brushable over a wide temperature range. Due to the special characteristics of its base grease and uniform suspension of metallic powder, Balmerol Grease TC-Z-50 offers excellent adhesion to tool joints. Balmerol Grease TC-Z-50 is fortified with special metal deactivators for chemical stability and reduction in plating tendency.

## Applications / Recommendations:

Balmerol Grease TC-Z-50 is recommended for tool / pipe / coupling joints, drill bits, drill collars and other rotary shouldered connections. Balmerol TC-Z-50 may be applied with the help of a brush in hot and cold weather.

## Typical Properties:

Balmerol Grease TC-Z-50	
Properties	Grease TC-Z-50
Appearance / Colour	Smooth & Grey
NLGI	2
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	285
Worked penetration after 100,000 strokes at 25 °C, max ASTM D 217	320
Dropping Point °C, ASTM D 566	195
Evaporation Loss, wt. % max (24 hrs @ 100°C), ASTM D 972	1
Oil separation 24 hrs. at 150°C, %	1.7
Brushing ability	Applicable by brush at 0 °F

### Health and Safety:

Balmerol Grease TC-Z-50 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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