

# Balmerol® Lipler T 2 Grease

## High Temperature Grease

Technical Data Sheet

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### Product Description:

Balmerol Lipler T 2 is a unique high performance grease designed for lubrication of railways pantographs. This grease is based on high quality mineral base fluid and superior lithium complex soap thickener reinforced with PTFE and a synergistic blend of additive system best suited for this application over a wide temperature range.

### Features & Benefits:

Balmerol Lipler T 2 Grease provides the following benefits:

- Provides long service life due to the presence of high quality mineral oil and a stable lithium complex thickener system
- Reduces friction and wear
- Controls heat build up
- Chemically & mechanically stable
- Shows excellent mechanical stability and withstands high temperature up to 200°C
- It has excellent oxidation stability during service
- Provides superior protection against rust and wear

### Applications / Recommendations:

Lipler T 2 grease is suitably designed for lubrication of pantograph for Indian railways and also for bearings requiring sealed for life protection. This grease is also suitable for applications where temperature can raise up to 200°C

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### Typical Properties:

Balmerol Lipler T 2 Grease	
Properties	Lipler T 2 Grease
Appearance	Red and Smooth
Thickener type	Lithium Complex
Base Oil Type	Mineral
Viscosity, ASTM D 445, cst @ 40°C	220
Flash Point, °C, min, ASTM D 92	220
Viscosity Index, min, ASTM D 2270	80
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	265 - 295
Penetration Change after 100000 strokes, max., ASTM D 217 (Units)	30
Dropping Point °C, min, ASTM D 566	260
Water wash out @ 80°C, % loss, max. ASTM D 1264	3
Copper Strip corrosion@ 100° C, 24 hrs, max. ASTM D 4048	1a
Oxidation stability, 100h, psi drop, max., ASTM D 942	5
Timken OK load, kgs, min. ASTM D 2509	23
Four Ball Weld load, kgs, min., IP 239	315

### Health and Safety:

Balmerol Lipler T 2 Grease 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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