

Balmerol® Thermotec PU 2

High Performance Non-Soap Grease

Technical Data Sheet

Product Description:

Balmerol Thermotec PU 2 grease is a high performance, shear stable and very high temperature resistant polyurea grease. It is formulated with superior quality mineral oil, synergistic blend of additives to provide excellent durability as well as stability when subjected to mechanical shearing in water and high temperature environment. It provides significant performance advantages over conventional soap thickened grease at high temperature and in presence of water.

Balmerol Thermotec PU 2 grease also exhibits wear and corrosion protection at high temperatures, besides its' high dropping point and eliminates possibilities of solid build up when exposed to high operating temperatures.

Features & Benefits:

Balmerol Thermotec PU 2 grease aggressively addresses the stringent application requirement of Steel Mills, Chemical Plants exposed to chemical contaminants, high speed anti-friction bearing etc where thermal stability, high temperatures capabilities, water resistance and structural stability are of major concern. Other exceptional features of Balmerol Thermotec PU 2 are:

- Good hot & cold water resistance
- Good pumpability in centralized lubrication system
- Optimized oil bleed at high operating temperatures

Applications / Recommendations:

- Steel Mill / Off high-way construction equipment and other heavy duty applications
- Ball or Roller bearings operating at elevated temperatures
- Fan and motor bearings
- Automotive wheel bearings, chassis parts, clutch bearings, constant velocity joints, water pumps etc
- Agitator bearings in washing machines
- Industrial applications requiring longer life at high temperatures & high loads

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Typical Properties:

Balmerol Thermotec PU 2	
Properties	Thermotec PU 2
Colour	Yellowish Brown
Thickener Type	Polyurea
Baseoil Type	Mineral
Baseoil Viscosity, cst @ 40°C, DIN 51562	500
Baseoil Viscosity Index, ISO 2909	95
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	280 - 300
Dropping Point °C, ISO 2176	> 240
Emcor Rust Test, Rating, DIN 51802	0,0
Water Wash Out, % Loss @ 80°C max, ASTM D 1264	2 max
Usable Temperature Range, °C	-20 to +180

Health and Safety:

Balmerol Thermotec PU 2 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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