

Technical Data Sheet

Texol Grease™ Premier

Fully synthetic high temperature greases with MoS₂

Product Description

Texol Grease™ Premier grease is synthetic bearing lubricants include molybdenum disulphide. Formulated from an advanced synthetic fluid and thickened with a temperature-stable, non-soap base, Texol Grease™ Premier are a blend of additives and lubricating solids for exceptional wear protection. Service life and relubrication intervals may be extended. Primarily developed for extended service in oven conveyor bearings, Texol Grease™ Premier is recommended for applications such as paint drying ovens and textile tenter frames, where minimum application and drip-free performance are needed to promote good housekeeping, and to also minimize maintenance and relubrication.

The components of Texol Grease™ Premier have especially been selected to optimize the following characteristics:

- High-temperature resistance to oxidation, thermal and chemical stability, resistance to organic solvents and most chemicals even at high temperatures, including strong acids, alkalis, and oxidizing agents, excellent lubricating capabilities as shown by Standard laboratory tests, and extensive field evaluations, low volatility at high temperatures and/or high vacuum, formulated to address environmental concerns, Texol Grease™ Premier is free of lead, chlorinated solvents, and barium.

Applications and Uses

- For rolling and sliding bearings with extremely extended relubrication intervals such as in:
 - film stretching machines
 - tenter frames for textiles
 - oven carriages in the ceramics industry
- For high-temperature lubrication of rolling and sliding bearings
- May be applied manually or via automatic dispensing equipment
- Under hostile ambient conditions
- Well suited for the lubrication of armatures and sealing elements.
- Pumpable in central lubrication systems
- Temperature application range -70 °C to +260 °C (at higher operating temperatures adequate ventilation must be ensured) and may intermittently be exposed to temperatures up to +280 °C
- Texol Grease™ Premier greases are also well suited as an assembly and sealing element for packaging, seals and similar components.

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Advantages

- Extended relubrication intervals without risking lubricant starvation or an increase in energy consumption.
- Virtually inert below 300 °C, Texol Grease™ Premier greases resist thickening and hardening, which is typical of mineral oil products in high temperature applications.
- Minimum consumption promotes economical use and clean operating conditions.
- Resistant to practically all solvents, including chlorinated hydrocarbons, strong acids, alkalis and oxidizing agents, e.g., natural gas, benzene petroleum ether, benzol, toluene, cyclohexane, dioxane, tetrahydrofurane, ethyl acetate, acetone, chlorobenzene, tetrachlormethane, trichlorethylene, halogens, potassium hydroxide and hydrochloric, phosphoric, sulphuric and nitric acids.
- Compatible with the following sealing materials: NBR, EPDM, NR, MWQ, PVMQ, PA, PE, PUR, PTFE.
- Non-flammable

Characteristics

Base oil viscosity at 40°C	480 mm ² /s	DIN 51366
at 100°C	42 mm ² /s	
at 200°C	6.8 mm ² /s	
Thickening agent	PTFE	
Colour	dark grey	
NLGI grade	2	DIN 51818
Worked penetration, 0.1 mm	265 – 295	DIN ISO 2137
Density at 15°C, kg/m ³	1980	DIN 51757
Viscosity index	160	ISO 2909
Flash point, °C	non-inflammable	ISO 2592
Pour point, °C	-70	ISO 3016