



Thermatex[®] EP

High Temperature, Non-Melting Grease

Product Data Sheet

Customer benefits

Protects metal surfaces

The special non-melting organoclay thickener prevents grease loss from bearings at high temperature.

Wide temperature range application

May be used in applications up to 135°C with normal re-greasing, and up to 260°C with very frequent regreasing, making it suitable for use in a wide range of high temperature industrial applications.

Effective performance in wet conditions

Organoclay thickener gives effective resistance to water washout.

Applications

Can include;

- Industrial ball and roller bearings in high temperature applications
- Exhaust fan bearings
- Furnace door bearings
- Kiln car wheel bearings
- Roll neck bearings
- High temperature conveyor bearings
- Rotary kiln bearings

Usable temperature range:

Continuous service -20 to 135°C

With frequent relubrication 260°C

Product features:

- **Thermatex[®] EP** is a non-melting, EP grease formulated from a highly refined ISO 100 mineral base oil, an organoclay (bentonite) thickener, and an effective EP agent for high temperature applications where frequent re-application is available.

Product specifications

THERMATEX® EP		
KEY PROPERTIES		
NLGI Grade	1	2
Product Code	540817	540818
Dropping Point, °C	Not applicable	
Oil Viscosity		
- mm ² /s @ 40°C	100	100
- mm ² /s @ 100°C	10.5	10.5
Penetration, Worked @ 25°C	325	280
Thickener (modified bentonite), m %	10	12
Timken OK Load, kg	20	20

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Service considerations

Thermatex EP contains mineral oil, which can oxidize in continuous high temperature service. In this type of service, very frequent relubrication is required to refresh the grease within the housing and to remove any oxidized or degraded mineral oil. For instance, at continuous temperatures of 250°C, relubrication intervals as short as 4 hours, 8 hours, or daily, may be required, depending on other operating conditions such as bearing load, speed or vibration.

Organoclay greases are not considered compatible with any other grease type. Therefore, care should be taken not to mix Thermatex EP with any other grease. The resultant mix may exhibit a marked reduction in consistency, leading to increased grease leakage and equipment failure.

ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit: www.chevronlubricants.com.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by:
Chevron Lubricants
– Asia Pacific