



# Thermatex<sup>®</sup> EP

## High performance high temperature industrial grease

Product Data Sheet



### Product description

- Thematex EP is a high performance high temperature industrial grease designed to offer non-melting performance under extreme pressure, high temperature operations.
- Thematex EP is formulated with highly refined ISO 100 mineral base stocks combined with an organoclay (bentonite) thickener. It is suitable for use in high temperature applications where frequent re-lubrication is available.

### Customer benefits

- Formulation offers non-melt performance helping prevent grease loss and maintain lubrication under high temperature operation
- Wide temperature application from +135°C under normal conditions and up to +260°C with very frequent re-lubrication
- Organoclay formulation offers reliable water washout and equipment protection in wet operations

### Applications

- 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

### Performance standards

	DIN 51 502	ISO 6743-09	OPERATING TEMPERATURE
Thermatex EP 1	KP 1 N-20	ISO-L-XBDBB1	-20°C up to 135°C with frequent relubrication 260°C
Thermatex EP 2	KP 2 N-20	ISO-L-XBDBB2	

### Product features:

- Non-melt performance
- High temperature protection
- Wide temperature industrial application
- From +135°C to +260°C with very frequent re-lubrication
- Water washout protection
- Selected specification standards include:
  - DIN
  - ISO

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continued

## Typical test data

THERMATEX® EP	TEST METHOD	RESULTS	
<b>Typical Shelf Life: 48 months from date of filling indicated on the product label*</b>			
<b>Product number</b>		<b>540817</b>	<b>548018</b>
<b>Characteristic, unit</b>		<b>NLGI 1</b>	<b>NLGI 2</b>
<b>NLGI Grade</b>	<b>DIN 51 818</b>	<b>1</b>	<b>2</b>
<b>Thickener type</b>	DIN 51 814	bentone	bentone
<b>Thickener content,%</b>		10	12
<b>Dropping Point, °C</b>	ISO 2176	NA	NA
<b>Oil type</b>		Mineral	Mineral
<b>Base oil viscosity,</b>			
mm <sup>2</sup> /s @ 40°C	DIN 51 562	92.5	92.5
mm <sup>2</sup> /s @ 100°C	DIN 51 562	10.5	10.5
<b>Penetration worked, 0.1 mm</b>	ISO 2137	325	280
<b>Copper Corrosion 24h/100°C</b>	DIN 51 811	1B	1B
<b>Timken OK load, kg</b>	ASTM D2509	20	20

\* Typical Shelf Life: (a) if stored under normal conditions and (b) can be extended after re-testing.

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 Global Lubricants: Africa, Middle East and Pakistan

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.caltexoils.com](http://www.caltexoils.com).

**For more information, go to [www.chevronlubricants.com](http://www.chevronlubricants.com)**

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THERMATEX-EP/MEA/PDSv1\_20/12/2023  
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