



Thermatex® EP

High performance high temperature industrial grease

Product Data Sheet

Product description

- Thermatex EP is a high performance high temperature industrial grease designed to offer non-melting performance under extreme pressure, high temperature operations.
- Thermatex 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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Typical key properties

THERMATEX® EP	TEST METHOD	RESULTS	
Product number		540817	548018
Characteristic, unit		NLGI 1	NLGI 2
NLGI Grade	DIN 51 818	1	2
Thickener type	DIN 51 814	bentone	bentone
Thickener content, %		10	12
Dropping Point, °C	ISO 2176	NA	NA
Oil type		Mineral	Mineral
Base oil viscosity,			
mm ² /s @ 40°C	DIN 51 562	92.5	92.5
mm ² /s @ 100°C	DIN 51 562	10.5	10.5
Penetration worked, 0.1 mm	ISO 2137	325	280
Copper Corrosion 24h/100°C	DIN 51 811	1B	1B
Timken OK load, kg	ASTM D2509	20	20

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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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.caltex.com.

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