



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

Product highlights:

- 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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Approvals, performance and recommendations

Performance

	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
Thermatex EP 2	KP 2 N-20	ISO-L-XBDBB2	frequent relubrication 260°C

Typical test data

THERMATEX EP TEST	TEST METHODS	RESULTS	
NLGI Grade	DIN 51 818	540817	548018
Product Code		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 at 40°C, mm²/s	DIN 51 562	92.5	92.5
Base oil viscosity at 100°C, mm²/s	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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