

THERMONIX GREASE EP

High-Temperature Grease

THERMONIX GREASE EP is made from a clay thickener (Bentonite) and highly refined mineral base oils, which possesses outstanding mechanical stability and resistance to heat and water. THERMONIX GREASE EP also contains molybdenum disulphide for added anti-wear protection.

● Special Features

1. Excellent heat resistance

THERMONIX GREASE EP is used for the lubrication of various machines that are exposed to high temperature such as dryer blowers. However, under the high temperatures more than 180°C, it is necessary to push old grease and to supply new grease regularly.

2. Outstanding extreme-pressure, anti-wear and adhesive properties

3. Good water resistance and pressure resistance

4. Usage in a wide temperature range

THERMONIX GREASE EP can be used in a very wide temperature range, from -20°C to 200°C, and has the outstanding lubricity also at low temperature and high temperature.

● Applications

THERMONIX GREASE EP can be used on lubrication points of various machines that are exposed to high temperature.

● Containers

16-kg pail cans, 2.5-kg cans

● Typical Properties of THERMONIX GREASE EP

Grade				1	2
Thickener				Bentonite	Bentonite
Appearance				Dark gray, Buttery	Dark gray, Buttery
Base oil	Type			Mineral oil	Mineral oil
	Kinematic viscosity	(100°C)	mm ² /s	31.3	31.3
Penetration		(25°C, 60W)		325	280
Worked stability		(25°C, 100,000W)		356	314
Dropping point			°C	None	None
Oil separation		(100°C, 24 h)	mass%	3.5	1.7
Evaporation loss		(99°C, 22 h)	mass%	0.56	0.53
Oxidation stability		(99°C, 100 h)	kPa	39	39
Water washout		(79°C, 1 h)	mass%	2.3	1.9
Copper strip corrosion		(100°C, 24 h)		No change	No change
Four-ball test		Weld load(200r/min)	MPa	1.8	1.8
Approx. operating temperature range			°C	-20 to 200	-20 to 200

Note: The typical properties may be changed without notice. (November 2011)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil, Thickener, Additives
Hazard category :	Not applicable
Precautionary Statements:	<ul style="list-style-type: none">• Do not handle until all safety precautions have been read and understood.• Wear protective gloves/protective clothing/eye protection/face protection.• Do not allow the eyes to become exposed to the product. Do not swallow the product.• Wash hands thoroughly after handling.• Do not eat, drink or smoke when using this product.
Prevention	
Response	<ul style="list-style-type: none">• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.• IF ON SKIN: Wash with plenty of soap and water.
Storage	<ul style="list-style-type: none">• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.• Containers that have been opened must be tightly sealed.
Disposal	<ul style="list-style-type: none">• Dispose of contents/container in accordance with local/regional/national/international regulations.• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.