



TECHNICAL SPECIFICATIONS



EKO THERMOGREASE

Bentone clay thickened grease for high temperature applications

DESCRIPTION

EKO THERMOGREASE is a bentone clay thickened lubricating grease based on mineral oil and enhanced with antioxidants, suitable for both automotive and industrial applications.

EKO THERMOGREASE provides very good lubrication at high temperatures and low bearing speeds. Unlike conventional soap thickened greases, EKO THERMOGREASE does not have a true dropping point even above 260°C, and will not soften appreciably or melt at high temperatures.

PECIFICATIONS

DIN 51502 K2N-30, ISO-L-XCDAA2.

APPLICATIONS

EKO THERMOGREASE is suitable for many types of bearings, both plain and anti-friction. The normal operating temperature of EKO THERMOGREASE is within 0°C and 150°C, but it provides satisfactory lubrication at temperatures up to +200°C. At temperatures above 150°C, bearings must be re-greased more frequently and packed more fully than usual.

EKO THERMOGREASE can be used on the roller bearings on conveyor belts in glass industry, where temperature exceeds 260°C. It has also very good performance in high temperature applications in the textile and brewing industry. In very high temperature applications, bearings must be cleaned out more frequently to remove the deposits formed by oxidation.

EKO THERMOGREASE is also used in automotive applications, for the hot running wheel bearings of vehicles with disc brakes.

BENEFITS

- Multipurpose product.
- Excellent lubricity and mechanical stability at high temperatures.
- Good water resistance and anti-rust protection.

The information provided from this data sheet is accurate as of the date printing. For more information/ clarifications, please contact EKO ABEE Technical Support.

Tel. + 30 210 5509 511 and +30 210 7725 418.

For recommendations on safe handling and use of this product, please refer to Safety Data Sheet.



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TYPICAL PROPERTIES

Property	Method	Unit	EKO THERMOGREASE
Thickener			Bentonite
Base Oil			Mineral Oil
Color	Visual	-	Brown
NLGI Grade	ASTM D217	-	2
Base fluid viscosity @ 40°C	ISO 12058	cSt	180
Dropping point	IP 396	°C	>300
Penetration, 60 strokes	ASTM D 217	mm-1	265-295
Penetration, 100.000 strokes	ASTM D 217	mm-1	+50
4-ball weld load	DIN 51350:4	N	2200
Water resistance	DIN 51807/1	-	1-90
Oil separation, 168h/40°C	IP 121	%	4
4-ball wear scar, 1h at 400N	DIN 51350:5	mm	2,1
Corrosion protection, 24h/100°C	ASTM D4048	-	1b
Temperature range		°C	-30°C to +150°C Max +200°C

HYGIENE AND SAFETY

Used lubricants must be collected in an authorized collection area. They must not be mixed with solvents, water, brake fluids and antifreeze. Do not dispose into drains, soil or water.

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