PRODUCT DATA SHEET

EKO THERMOGREASE

Bentonite-based grease for high temperature applications

DESCRIPTION

EKO THERMOGREASE is an inorganic bentonite-based grease reinforced with antioxidant additives. EKO THERMOGREASE provides very good lubrication in high temperature - low speed applications.

Unlike greases that use a conventional soap thickener, EKO THERMOGREASE has no actual dropping point even at temperatures exceeding 260°C, and does not perceptibly soften or melt at high temperatures.

Its normal operating temperature is up to +150°C, but it also provides satisfactory lubrication at higher temperatures, of up to +200°C. Temperatures over +150°C require more frequent refilling. In applications operating under very high temperatures, it is necessary that bearings be cleaned more frequently to remove the deposits created by the thermal decomposition of the grease.

SPECIFICATIONS

DIN 51502 K2N-30, ISO-L-XCDAB2.

APPLICATIONS

- It is suitable for high temperature applications: paper industry, belt conveyor bearings in the glass industry where temperature exceeds +260°C, furnace chains, kilns and foundry trolleys, brewing, textile industry and elsewhere.
- It is suitable for lubricating disc brake wheel bearings.

ADVANTAGES

- It is a multi-purpose grease.
- It provides excellent lubrication and mechanical stability at high temperatures.
- It provides good resistance to water wash-out and excellent rust protection.

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TYPICAL CHARASTERISTICS

Properties	Methods	Units	EKO THERMOGREASE
Soap base	-	-	Bentonite
Base oil	-	-	Mineral oil
Colour	Visual	-	Brown
NLGI Grade	ASTM D217	-	2
Base oil viscosity at 40°C	ISO 12058	cSt	475
Dropping point	IP 396	°C	N/A
Penetration, 60 strokes	ISO 2137	mm^{-1}	265-295
Penetration, 100000 strokes	ISO 2137	mm^{-1}	+55
Oxidation stability 100 hours/100°C	ASTM D942	kPa	50.0
Flow Pressure -30°C	DIN 51805	mbar	<1400
Oil separation, 168 hours/ 40°C	IP 121	%	3
Corrosion protection, 24h/100°C	ASTM D4048	-	1a
Density at 20°C	IP 530	g/cm^3	0.92
Operating temperature	-	°C	-30°C up to +150°C, max +200°C

HEALTH AND SAFETY

Protect the environment while disposing of used product.

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