



PRODUCT DATA SHEET



EKOGREASE SYNTHETIC EM 2

Lithium complex synthetic grease

DESCRIPTION

EKOGREASE SYNTHETIC EM 2 is a state-of-the-art synthetic, PAO-based grease thickened by lithium complex soap. It contains antioxidants, corrosion inhibitors and EP/AW additives based on bismuth technology.

EKOGREASE SYNTHETIC EM 2 is particularly recommended for very low or high temperature operations as well as use in environments including humidity and corrosive factors.

SPECIFICATIONS

DIN 51502: KPHC2N-40, ISO 12924: L-XD (F) DIB2.

APPLICATIONS

- Suitable for automotive lubrication and industrial uses.
- It is ideal for bearing lubrication, even in extremely high or low temperature conditions.

ADVANTAGES

- Thanks to its lithium complex soap and the low viscosity of its synthetic base fluid, this product is suitable for bearings carrying heavy loads and operating at moderate and high speeds.
- Lithium complex soap provides the product with increased mechanical stability, thus extending relubrication intervals and boosting performance even at high bearing vibration levels.
- A specially formulated blend of additives based on bismuth technology ensures increased resistance to vibration and shock loads and increased heavy load carrying capacity.



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TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKOGREASE SYNTHETIC EM 2
Soap base	-	-	Lithium complex
Base fluid	-	-	Poly-alpha-olefin (PAO)
NLGI	ASTM D 217	-	2
Colour	Visual Inspection	-	Beige
Base oil viscosity at 40°C	ASTM D 7152	cSt	100
Base oil viscosity at 100°C	ASTM D 7152	cSt	14
Penetration 60 strokes	ISO 2137	mm ⁻¹	265-295
Dropping point	IP 396	°C	>260
4-ball weld load	DIN 51350:4	N	3600
Water resistance at 90°C	DIN 51807:1	-	1
Water washout at 79°C	ISO 11009	%	<10
SKF Emscor salt water	ISO 11007	-	≤2-2
Flow pressure at -40°C	DIN 51805 mod	mbar	<1400
SKF R2F B at 150°C	SKF	-	Pass
Density	IP 530	g/cm ³	0.870
Operating temperature	-	°C	-40°C to +150°C, max. +220°C

HEALTH AND SAFETY

Protect the environment while disposing of used product.

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This data sheet provides basic information on the product as at the date of drafting. For further information regarding applications, please contact EKO ABEE Technical Support, tel. +30 210 5509 511 and +30 210 7725 418. Advice on safe handling is provided in the Safety Data Sheet.