



PRODUCT DATA SHEET

EKOGREASE Li-X EM 3 Lithium complex grease

DESCRIPTION

EKOGREASE Li-X EM 3 is a state-of-the-art mineral oil-based, lithium complex soap-thickened grease. It contains antioxidants, corrosion inhibitors and EP/AW additives.

SPECIFICATIONS

DIN 51502 KP3N-30, ISO 6743 ISO –L-XCDEB3.

APPLICATIONS

- Lithium complex soap awards EKOGREASE Li-X EM 3 with optimal mechanical stability, making it suitable for use over a wide temperature range and ideal for high temperature operations.
- Suitable for the lubrication of roller bearings operating under heavy load and high temperature conditions of up to +160°C.
- Suitable for automotive and industrial uses.
- Suitable for roller bearings in electric motors and fans.

ADVANTAGES

- Excellent high temperature performance.
- Increased resistance to heavy loads.
- Improved mechanical stability, resulting in extended replacement intervals.
- Augmented resistance to water washout and superior protection against corrosion.



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TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKOGREASE Li-X EM 3
Soap Base	-	-	Lithium Complex
Base Oil	-	-	Mineral Oil
NLGI	ASTM D217	-	3
Colour	Visual Inspection	-	Light yellow
Dropping Point	IP 396	°C	>260
Base Oil Viscosity at 40°C	ISO 12058	cSt	110
Base Oil Viscosity at 100°C	ISO 12058	cSt	9
Density at 20°C	IP 530	g/cm ³	0.95
Penetration, 60 strokes	ISO 2137	mm ⁻¹	220-250
Penetration, 100000 strokes	ISO 2137	mm ⁻¹	+40
Shell roll stability 50 hours/80°C	ASTM D1831mod	-	+80
SKF Emcor distilled water	ISO 11007	-	0-0
Copper Corrosion 24h/100°C	ASTM D4048	-	1b
Water Resistance	DIN 51807/1	-	1-90
4-Ball weld load	DIN 51350:4	N	2600
4-ball wear scar (1h at 400N)	DIN 51350:5	mm	0.6
Oil Separation, 168 h/ 40°C	IP 121	%	1%
Lubrication Ability: SKF R2F test A	SKF	-	Pass
SKF R2F test B at 130°C	SKF	-	Pass
Operating Temperature	-	°C	-30°C to +140°C, max. +160°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.
Advice on safe handling is provided in the Safety Data Sheet.