



## TECHNICAL SPECIFICATIONS



### EKOGREASE Li-EP

Lithium, extreme pressure (EP) multipurpose greases

#### DESCRIPTION-APPLICATIONS

EKOGREASE Li-EP series greases are lithium thickened lubricating greases, available in NLGI 0 to NLGI 3 grades. These greases are enhanced with antioxidants, corrosion inhibitors and extreme pressure (EP) additives. They are suitable for the lubrication of bearings and roller bearings in a wide variety of automotive, industrial and farming applications.

The recommended operating temperature range for these greases is from -30°C to +130°C, but they can also be used at higher temperatures with more frequent re-lubrication intervals.

EKOGREASE Li-EP 0 and EKOGREASE Li-EP 1 exhibit very good low temperature pumpability, so they are particularly recommended for the lubrication of central lubrication systems and generally for applications requiring good performance at low temperatures. EKOGREASE Li-EP 2 is recommended for multipurpose applications and EKOGREASE Li-EP 3 is suitable for applications requiring higher level of protection from water and solid contaminants.

#### SPECIFICATIONS

DIN 51825 KP0K-30, KP1K-30, KP2K-30, KP3K-30

#### BENEFITS

- Excellent wear protection under heavy or shock load conditions and vibrations, which helps increase equipment performance and availability.
- Very good mechanical stability and lubricating properties in a wide range of operating temperatures.
- Excellent rust and corrosion protection and very good resistance to water wash out, enabling effective lubrication even in the presence of water.
- Good pumpability in centralized systems.

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

Properties	Methods	Units	EKOGREASE Li-EP			
			0	1	2	3
NLGI Grade	NLGI		0	1	2	3
Base oil viscosity @ 40°C	ASTM D 445	cSt	75	150	150	150
Dropping point	ASTM D 566	°C	>170	>180	>185	>185
Worked Penetration (60strokes), @ 25° C	ASTM D 217	mm-1	355-385	310-340	265-295	220-250
Water Stability, (100.000 strokes), 10% water	DIN 51804	mm-1			<60	<60
Oxidation Stability, after 100 hours, pressure drop	ASTM D 942	psi	3	3	3	3
Oil Separation %	ASTM D 1742	%	3	3	2	2
Roll Stability	ASTM D1831	mm-1	15	15	15	15
Water Washout %	ASTM D 1264	%	<5	<5	<5	<5
TIMKEN OK load test (Lbs)	ASTM D 2509	lbs	>45	>45	>45	>45
4 ball wear test, mm	ASTM D 2266	mm	<0,60	<0,60	<0,60	<0,60
4 ball weld point test	ASTM D 2596	Kg/f	250	250	250	250
Rust protection	ASTM D 1743	-	pass	pass	pass	pass
Copper corrosion, max	ASTM D 4048	-	1a	1a	1a	1a
Temperature range	-	°C	-30°C to +130 °C			

#### HYGIENE AND SAFETY

For information on safe handling, you should consult product Safety Data Sheet.

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