

LUBCHEM SB series EP

Multi-purpose greases for rolling and plain bearings



Description

LUBCHEM SB series EP are a multi-purpose grease based on mineral oil and lithium thickener. Due to the good resistance to working under normal temperatures and loads this grease can be used for long-term lubrication.

Application

LUBCHEM SB series EP are used for rolling and plain bearings. These products are also suitable for the lubrication of toothed and worm gears, guides and threaded spindles. When used for long-term lubrication, temperatures at the friction point should be under the 70°C.

LUBCHEM SB series EP can be used up to maximum service temperature of 130°C provided fresh grease is constantly fed to the friction point.

Application method

LUBCHEM SB series EP can be applied by standard commercial grease application equipment. e.g. grease guns, brush or spatula. And also can be pumped through all common types of lubrication systems.

If a fully-automatic lubrication system is available for relubrication, **LUBCHEM SB series EP** should be used.

Storage

The minimum shelf life is approx. 36 months if the product is stored in its unopened original container in a dry, frost-free place.

Pack sizes

- 15kg Pail
- 180kg Drum

LUBCHEM SB series EP

- Multi-purpose greases
- Excellent corrosion protection
- Shear stable
- Long-term lubrication of simple applications

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Product Data Sheet

Test Item	Unit	Test Method	LUBCHEM SB 6023 EP	LUBCHEM SB 6022 EP	LUBCHEM SB 6021 EP	LUBCHEM SB 6020 EP	LUBCHEM SB 6027 EP	LUBCHEM SB 6028 EP
NLGI Grade		ASTM D 1092	3	2	1	0	00	000
Color	-	-	Brown	Brown	Brown	Brown	Brown	Brown
Base oil Type	-	-	Mineral	Mineral	Mineral	Mineral	Mineral	Mineral
Thickener	-	-	Li-soap	Li-soap	Li-soap	Li-soap	Li-soap	Li-soap
Worked Penetration	0.1mm	ASTM D 217	220~250	265~295	310~340	355~385	400~430	445~475
Drop Point	°C	ASTM D 566	> 180	> 180	> 180	> 170	> 170	> 170
Oil Separation (100°C/24h)	Wt.%	ASTM D 6184	> 5.0	> 5.0	> 5.0	-	-	-
Evaporation Loss (99°C/22h)	Wt.%	ASTM D 972	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Copper Corrosion (100°C/24h)	grade	ASTM D 4048	< 1	< 1	< 1	< 1	< 1	< 1
Oxidation Stability (99°C/100h)	MPa	ASTM D 942	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1
Water Washout (79°C/1h)	Wt.%	ASTM D 1264	< 3	< 3	< 3	< 3	-	-
Four Ball Wear (75°C/1200rpmX40kgX1h)	mm	ASTM D 2266	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Four Ball EP	kgf	ASTM D 2596	> 200	> 200	> 200	> 200	> 200	> 200