

Extreme Pressure Lithium Grease

Description

These high-quality lithium greases incorporate solvent-refined oils, and are suitable for operating temperatures between -20°C and 120°C. The DAYAN GREASE LI-EP grades contain an anti-wear additive, and oxidation and corrosion inhibitors which help to ensure long service life of the grease and a high level of protection for ferrous surfaces.

DAYAN GREASE LI-EP which incorporate a lead-free EP (extreme pressure) additive, are for use where surfaces are subjected to heavy or shock loading. These grades are water-resistant, and have multi-purpose capability.

Features and benefits

- Multi-purpose
- Long service life
- Low friction torque
- Resistant to water wash-out
- Good shear stability and resistance to vibration.
- Good pumpability.

Application

DAYAN GREASE LI-EP is for use in plain and rolling bearings of all types and in all kinds of machinery- including electric motors, machine tools, textile, paper-making and woodworking machines, and construction equipment - where the operating temperatures are within the limits specified above.

Specification

- DIN 51825:2004-06 - KP 1 K -20
- DIN 51825:2004-06 - KP 2 K -20
- DIN 51825:2004-06 - KP 3 K -20
- DIN 51826:2005-01 - GP 000 G -20
- DIN 51826:2005-01 - GP 00 G -20
- DIN 51826:2005-01 - GP 0 G -20

Storage and Handling

Proper standards of storage and handling are necessary with all lubricants, and are particularly vital with greases. Packages should be treated with care at all stage, to prevent contamination of their contents and damage to containers. All packages should be stored indoors; where outside storage is unavoidable, they should be covered to avoid the possible ingress of water and the consequent obliteration of painted markings. Greases should not be exposed to extremes of temperature nor to direct hot sunlight. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	LI-EP 000	LI-EP 00	LI-EP 0	LI-EP 1	LI-EP 2	LI-EP 3
NLGI Consistency	-	-	000	00	0	1	2	3
Soap Type	-	-	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Kinematic Viscosity at 40°C	cSt	ASTM D445	110-150	110-150	110-150	110-150	110-150	110-150
Kinematic Viscosity at 100°C	cSt	ASTM D445	14.5	14.5	14.5	14.5	14.5	14.5
Viscosity Index	-	ASTM D2270	94-135	94-135	94-135	94-135	94-135	94-135
Cone Penetration, Worked	0.1mm	ASTM D217	445-475	400-430	355-385	310-340	265-295	220-250
Dropping Point	°C	ASTM D566	-	-	-	190	190	190
(4-ball)welding point	Kgf	ASTM D2596	200-250	200-250	200-250	200-250	200-250	200-250
Timken OK Load	KG	ASTM D2509	40	40	40	40	40	40
Water Washout @ 79 °C	%wt	ASTM D1264	-	-	-	max 4	max 4	max 4

Note:

1- The Typical characteristics are given as a guide only and may vary according to latest production according to ISO.