

Extreme Pressure Lithium Grease

Description

These high-quality Lithium Grease incorporate solvent-refined oils, and are suitable for operating temperatures between -10°C and 130°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 SERIES 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.

Applications

DAYAN GREASE LI-EP SERIES are 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 -2
- DIN 51826:2005-01 - GP 000 G -20
- DIN 51826:2005-01 - GP 00 G -20
- DIN 51826:2005-01 - GP 0 G -20

Product and environmental safety

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.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	LI- EP 00	LI- EP 0	LI- EP 1	LI- EP2	LI- EP 2.5	LI- EP 3
Kinematic Viscosity at 40°C	cSt	ASTM D445	150	150	150	150	150	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	94	94	94	94	94
Cone Penetration, Worked	0.1mm	ASTM D217	400-430	355-385	310-340	265-295	250-265	220-250
Dropping Point	°C	ASTM D566	-	-	190	190	190	190
(4-ball)welding point	Kgf	ASTM D2596	250	250	250	250	250	250
Timken OK Load	KG	ASTM D2509	40	40	40	40	40	40
Water Washout @ 75 °C	%wt	ASTM D1264	max 4	max 4	max 4	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.