

High Performance Multipurpose Heavy Duty Grease with Solids

Description

DAYAN GREASE LI-CA EPM is a high performance grease for the lubrication of bearings subjected to the most arduous conditions. It is based on heavy duty mineral base oils and a mixed lithium/calcium soap thickener. It contains extreme-pressure, anti-wear, anti-corrosion and adhesion additives. The addition of molybdenum disulphide and graphite provides additional resistance to shock loading.

Features and benefits

- Protects equipment under the heaviest loads
- Longer grease life
- Excellent water resistance
- Superior adhesion

Applications

DAYAN GREASE LI-CA EPM is recommended for the lubrication of severe duty applications even in damp and hostile conditions including:

- Heavy earth-moving pins and bushes.
- Turntables.
- Slow moving industrial journal and rolling element bearings.
- Particularly suited where flingoff, water and vibration are problems and heavy shock loads are experienced. This grease is not recommended for high speed bearings.

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.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	LI-CA EPM 460 1	LI-CA EPM 460 2
NLGI Consistency	-	-	1	2
Soap Type	-	-	Lithium / Calcium	Lithium / Calcium
Solid Lubricants	-	-	MoS ₂ + GR	MoS ₂ + GR
Color	-	-	Black	Black
Kinematic Viscosity at 40°C	cSt	ASTM D445	460	460
Cone Penetration, Worked	0.1mm	ASTM D217	310-340	265-295
Dropping Point	°C	ASTM D2265	190	190
(4-ball) welding point	Kgf	ASTM D2596	250	250
Water resistance 3 hrs at 90°C	°c	DIN 51 807/1	max 1	max 1
Oil separation 7 days at 40 °C, static %	°c	DIN 51 817	1-5	1-5
Copper corrosion	-	DIN 51811	1a	1a
Temperature Range	°c	-	-10 to 120	-10 to 120

Note:

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