

High Performance Extreme-Pressure Lithium Complex

Description

DAYAN GREASE LI-PLEX EP is a high performance multi-purpose Lithium Complex grease for industrial applications. It is based on high viscosity mineral oil and a lithium complex soap thickener. It contains the latest additives to offer excellent high temperature oxidation performance and other additives to enhance its anti-oxidation, antiwear and anti-corrosion properties.

Features and benefits

- Approved by bearing manufacturers where an extreme pressure grease is required.
- Rolling element bearing life extended under conditions of vibration and water wash.
- May be used in Timken taper rolling bearings; Timken OK load value 50lb.
- Suitable for use in continuous casters.

Application

DAYAN GREASE LI-PLEX EP is used for the grease lubrication of heavy-duty bearings used in machinery found in the following industries:

- Continuous casting
- Vibrating sieves
- Quarries
- Breakers

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-PLEX EP 1	LI-PLEX EP 2	LI-PLEX EP 3
NLGI Consistency	-	-	1	2	3
Soap Type	-	-	Lithium Complex	Lithium Complex	Lithium Complex
Color	-	ASTM D1500	Light Brown	Light Brown	Light Brown
Kinematic Viscosity at 40°C	cSt	ASTM D445	220	220	220
Kinematic Viscosity at 100°C	cSt	ASTM D445	19	19	19
Cone Penetration, Worked	0.1mm	ASTM D217	310-340	265-295	220-250
Dropping Point	°C	ASTM D566	240	240	240
Water Washout	-Wt%	ASTM D1264	max 1	max 1	max 1
Hard Particle	-	ASTM D1404	max 14	max 14	max 14
(4-ball) welding point	kgf	ASTM D2596	315	315	315

Note:

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