

Lithium Calcium Grease With Solids

Description

DAYAN GREASE LI-CA EP SERIES are a lithium calcium grease, fortified with solid lubricant and developed for both Automotive and Industrial applications. It is based on an optimised balance of mineral base oil, lithium calcium thickener technology and a specially selected additive system incorporating EP/anti-wear chemistry, antioxidants and corrosion inhibitors. The inclusion of molybdenum disulphide enhances load carrying performance whilst reducing friction, especially in those components where reciprocating or sliding motion is prevalent.

Features and benefits

- Excellent mechanical stability ensure the structural integrity of the grease is maintained, thereby extending relubrication intervals.
- Good extreme pressure and anti-wear properties provide extended protection in loaded applications resulting in longer component life.
- The presence of molybdenum disulphide offers the benefit of reduced friction and resistance to shock loads.
- Enhanced component protection under boundary lubrication conditions.

Applications

DAYAN GREASE LI-CA EP SERIES are suitable for use in a wide range of slow to medium speed bearings where shock loads or excessive vibration is likely and there is a specific requirement for the use of a grease fortified with molybdenum disulphide.

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 EP 2 | LI-CA EP 220/2 |
|------------------------------|-------|------------|-----------------|-----------------|
| NLGI Consistency | - | - | 2 | 2 |
| Soap Type | - | - | Lithium Calcium | Lithium Calcium |
| Color | - | ASTM D1500 | Black | Black |
| Kinematic Viscosity at 40°C | cSt | ASTM D445 | 160 | 220 |
| Kinematic Viscosity at 100°C | cSt | ASTM D445 | 15 | 18 |
| Cone Penetration, Worked | 0.1mm | ASTM D217 | 265-295 | 265-295 |
| Dropping Point | °C | ASTM D566 | 175 | 175 |
| (4-ball)welding point | Kgf | ASTM D2596 | >250 | 315 |

Note:

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