

High Temperature High Speed Polyurea Grease

Description

DAYAN GREASE POLY SERIES are high technology greases designed to give optimum performance for grease lubrication in industrial bearings. They are based on mineral oil with a special diurea thickener to give long life, low wear and shear-stable properties at high temperatures.

Features and benefits

- DAYAN GREASE POLY has long re-lubrication intervals.
- DAYAN GREASE POLY has Excellent stability in application and in storage condition.
- DAYAN GREASE POLY will be easily pumped and injected also has very good adhesion to the metals.
- DAYAN GREASE POLY has very good antirust and anticorrosion properties.
- DAYAN GREASE POLY has Excellent thermal stability linked with excellent reversibility.

Application

- DAYAN GREASE POLY has designed for the lubrication of electrical motor bearings.
- DAYAN GREASE POLY is suitable for lubrication of bearings, slides, racks subjected to high temperatures in dry and mildly humid environments, bearings of electric motors, generators, bearings of extraction fans for hot gas or steam, bearings of dryers, pumps, oven conveyors, and all other applications where rotation speeds and temperatures are high.
- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

Specification

- ISO 6743-9: L-XBFEA 2
- DIN 51502: K2P -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.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	POLY 2	POLY 2.5	POLY 3
NLGI Consistency	-	-	2	2-3	3
Soap Type	-	-	Polyurea	Polyurea	Polyurea
Appearance	-	Visual	Smooth	Smooth	Smooth
Operating temperature range	°C	-	-20 to 160	-20 to 160	-20 to 160
Penetration at 25°C	0.1mm	ASTM D217	265-295	245-275	220-250
Dropping point	°C	IP 396/NFT 60 102C	>260	>260	>260
Kinematic viscosity of the base oil at 40°C	mm ² /s	ASTM D445	110	110	110

Note:

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