

Water Soluble Polyalkylene Glycol Lubricant

Description

DAYAN GEAR PG SERIES is primarily designed for the lubrication of worm gears, especially for heavy-duty, severe service applications. They have proven to be excellent lubricants for all types of industrial gears and plain and anti-friction bearings under extremely severe service conditions. They have provided outstanding results in lubricating gears and bearings.

Features and benefits

- Lower maintenance costs and replacement expenditures.
- Easy start-up because of excellent low-temperature fluidity-especially
- Excellent equipment protection, even during downtime provides long equipment life
- Improved worm gear efficiency and lower oil operating temperatures
- Excellent filtration capacity.
- Very good acidic neutralisation capability.

Applications

- Warm gear
- Plain and rolling contact bearing

Specifications

- DIN 51517-3 (CLP)
- ISO 12925-1 Type CKE
- ANSI/AGMA9005-E02 (EP)

Storage Stability

- DAYAN GEAR PG SERIES should be kept tightly sealed in a dry place in its tightly sealed original packaging. Storerooms must not be overheated.
- DAYAN GEAR PG SERIES must be blanketed with nitrogen if stored in heated tanks (at < 60 °C) to prevent from coming into contact with air. Constant, gentle stirring helps to prevent discoloration as a result of prolonged contact with electrical elements or external heating coils.

Shelf-life

Provided it is stored properly and the drums are kept tightly sealed, DAYAN GEAR PG SERIES has a shelf life of five years in its original packaging.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	150	220	320	460	680	1000
ISO Viscosity Grade	-	-	150	220	320	460	680	1000
Relative Density at 15°C	g/ml	ASTM D4052	1.060	1.060	1.060	1.065	1.065	1.070
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	150	220	320	460	680	1000
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	28	40	56	75	101	125
Viscosity Index	-	ASTM D2270	226	236	243	244	244	232
Flash Point	°C	ASTM D92	240	240	240	240	240	240
Pour Point	°C	ASTM D5985	-39	-36	-36	-36	-33	-33
(4-ball) welding point	kgf	ASTM D2783	250	250	250	250	250	250

Note:

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