

PLANTOGEL 2 S (EAL)

Rapidly Biodegradable EP Multipurpose Grease Based on Synthetic Ester

Description

PLANTOGEL 2 S (EAL) is rapidly biodegradable EP multipurpose grease based on lithium/calcium soap and synthetic ester.

PLANTOGEL 2 S (EAL) is certified with the Eco-Label, and contains additives to improve its oxidation resistance, EP properties and corrosion protection, even in the presence of salt water.

Application

PLANTOGEL 2 S (EAL) is a high quality EP multipurpose grease for marine applications. PLANTOGEL 2 S (EAL) is suitable for a wide range of plain and roller bearings as well as for wire ropes and open gears. It is especially used where water and ground might be contaminated.

PLANTOGEL 2 S (EAL) is easily pumpable in central lubricating systems.

Advantages

- Very good corrosion protection, even in the presence of salt water
- Good EP properties
- Good wear protection
- Good low temperature properties
- Good water resistance
- Easily pumpable in central lubricating systems
- Rapidly biodegradable (> 60% acc. to OECD 301 B)
- Bio-based carbon content \geq 50% acc. to ASTM D6866-18
- Bio-lubricant acc. to DIN EN 16807

Specifications

- ISO-L-XD(F)BFB 2

Approvals

- EU Ecolabel DE/027/273

Shelf Life

The minimum shelf life is 36 months if the product is properly stored between 0°C and 40°C in its unopened original container in a dry place. The indication of a minimum shelf life does not include any guarantee of durability.

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Characteristics

Properties	Unit	Values	Test Method
Colour	-	Light brown	-
Thickener	-	Lithium/calcium soap	-
Dropping point	°C	≥ 160	IP 396
Penetration worked (Pw 60)	0,1 mm	265 - 295	DIN ISO 2137
NLGI grade	-	2	DIN 51 818
Corrosion protection (Emcor) - Dist. Water - With 3% NaCl	Degree of corr.	0 - 0 2 - 2	DIN 51 802
Water resistance - Dist. Water - salt water resistance (3%NaCl)	Eval.-stage	1 - 90 2 - 90	DIN 51 807-1
4-ball welding load	N	2400	DIN 51 350-4
Flow pressure at -35 °C	hPa	≤ 1400	DIN 51 805-2
Oil separation 18 h / 40 °C	%	≤ 2	DIN 51 817
Base oil viscosity at 40°C at 100°C	mm ² /s	240 32	ASTM D7042
Temperature range	°C	-40 bis +120	-

Product Information

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Note

The information contained in this product information is based on the experience and know-how of FUCHS LUBRICANTS GERMANY GmbH in the development and manufacturing of lubricants and represents the current state-of-the-art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pre-treatment, possible external contamination, etc. For this reason, universally-valid statements about the function of our products are not possible.

Our products must not be used in aircraft or spacecraft. Our products may be used in the manufacture of components for aircraft or spacecraft if they are removed without residue from the components prior to assembly into the aircraft or spacecraft.

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