

## PLANTOGEL 2 S (EAL)

### Description

PLANTOGEL 2 S (EAL) is an environmentally friendly grease based on lithium soap and rapidly biodegradable, synthetic ester of renewable raw materials

PLANTOGEL 2 S (EAL) is approved with the Ecolabel and contains additives to improve oxidation resistance, EP properties, and corrosion protection.

### Application

PLANTOGEL 2 S (EAL) is used for lubrication of plain and roller bearings where water and earth are at risk, i.e. in water turbines or in agriculture and forestry.

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

### 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.

### Advantages

- Good EP properties
- Good anti-wear protection
- Good low temperature properties
- Good water resistance
- Easily pumpable in central lubricating systems



#### EU Ecolabel:

**PLANTOGEL 2 S (EAL): DE/027/114**  
**PLANTOGEL ECO 2 N: DE/027/113**

#### Better for the environment...



- Geringfügige Schädigung von Wasser und Boden bei der Anwendung
- Enthält einen großen Anteil an Ausgangsstoffen auf biologischer Basis
- Reduced harm for water and soil during use
- Contains a large fraction of biobased materials

...better for you.

## PLANTOGEL 2 S (EAL)

### Characteristics

Properties	Unit	Value	Test Method
Colour	-	Light brown	-
Thickener	-	Lithium soap	-
Dropping point	°C	≥ 170	IP 396
Penetration worked (Pw 60)	0,1 mm	265 - 295	DIN ISO 2137
NLGI-grade	-	2	DIN 51 818
Corrosion protection properties (Emcor-test) dist. water 0,5% NaCl-solution	Degree of corr.	0 - 0 0 - 0	DIN 51 802
Water resistance	Eval.-stage	1 - 90	DIN 51 807-1
4-ball welding load	N	3000	DIN 51 350-4
Flow pressure at -40 °C	hPa	≤ 1400	DIN 51 805
Oil separation 18 h / 40 °C	%	≤ 2	DIN 51 817
Base oil viscosity (calculated) at 40°C at 100°C	mm <sup>2</sup> /s	110 18	FLV-V-28*
Temperature range	°C	-40 to +120	-

\* FLV = FUCHS laboratory test method



## PLANTOGEL 2 S (EAL)

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We therefore recommend that you consult a FUCHS EUROPE SCHMIERSTOFFE GMBH application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

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