

BIOGEL AP2

Calcium-Soaped Greases

Description

BIOGEL AP2 is an advanced, environmentally conscious calcium-soaped grease made from biodegradable native esters. It provides reliable lubrication for rolling and plain bearings, as well as other points where protecting the environment is a priority. Its formulation makes it ideal for situations where excess grease could come into contact with soil, waterways, or drainage systems.

While BIOGEL AP2 excels in eco-sensitive applications, it is not recommended for components that are rarely serviced, such as wheel bearings. For optimal performance, relubrication intervals should be shortened under high-temperature conditions.

Applications

Recommended for the lubrication of agricultural machinery, loading cranes, gravel dredging equipment, floodgates, weirs, and wastewater treatment facilities. For trials or use in specific applications, please consult the technical support department before implementation.

Special Features

- Anti-corrosive
- Water-resistant
- High adhesion
- Excellent worked stability

Minimum Storage Period

The minimum storage period is approximately 36 months in closed original packaging at temperatures between 5 °C and 40 °C. Visual inspection is recommended after exceeding this period. Protect from frost, heat and direct sunlight.

Typical Characteristics

BIOGEL AP2	METHOD	Unit	Min	Max	Typical
Thickener					Calcium
Service temperature range*		°C	-20	80	
Short-term temperature peak*		°C		110	
Dropping point	DIN ISO 2176	°C	145		
Worked penetration after 60 DS	DIN ISO 2137	1/10 mm	265	295	
Base Oil Viscosity at 40 °C, cSt	DIN ISO 3104	mm ² /s			36
Emcor-Test; DI water	DIN 51 802				0-0
Water Resistance	DIN 51 807-01				0-40
Flow Pressure at -20 °C	DIN 51 805	hPa		1400	
Designation	DIN 51 502				KE 2 E-20

Method of Application

BIOGEL AP2 can be easily applied manually or with a standard grease gun. For first-time use, ensure compatibility with any previously applied grease, and if necessary, clean or purge bearings before application. To achieve optimal performance, apply only the amount recommended by the bearing manufacturer—over-lubrication should be avoided.

Health and Safety

This product range has been specially designed so as to have minimal effect on the environment.

	METHOD	
Biodegradability, %	OECD 301B	> 60

Avoid prolonged or repeated contact of used lubricants with skin. In case of skin contact wash well. Used lubricants should be collected in special containers and disposed of in accordance to local legislation. For additional information please consult with the Safety Data Sheet (SDS).

Available Packages

Pail [4 kg], Pail [8 kg], Pail [30 kg], Drum [180 kg]

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