

GELSA BIO (RANGE)

BIODEGRADABLE LUBRICATING GREASE

DESCRIPTION

Lubricating grease made with biodegradable base, special calcium thickener and additives for improving performance.

APPLICATIONS

Lubrication of bearings and other mechanisms with possibility of environment contamination. Due to its properties it is specially recommended for applications with moisture and water presence. Applications example: lubrication of gates in hydroelectric power plants, forestry and agricultural machinery, sea and waterways gates, etc.

GELSA BIO 0

⇒ Due to its soft consistency it is specially indicated for the lubrication through centralized systems.

PROPERTIES

- High adherence and resistance to water.
- Good lubricant power, antiwear protection and extreme pressure properties.
- Easily biodegradable.
- Good thermal stability.
- Wide operating temperature range: from - 20 up to +120°C .

QUALITY LEVEL:

- ISO-L-XBCIB 0 / 1 / 2

TECHNICAL CHARACTERISTICS

	Method	Typical values			Un.
	GELSA BIO	0	1	2	-
Appearance	Amber translucent				
Consistency NLGI	ISO 2137	0	1	2	-
Penetration at 25 °C	ASTM D-217	365	327	276	mm ⁻¹
Variation at 10 ⁵ strokes	ASTM D-217	+15	+15	+15	mm ⁻¹
Dropping point	ASTM D 566	140	140	140	°C
Water resistant at 90 °C	DIN 51807/T1	1	1	1	-
Welding load	ASTM D 2596	250	250	250	kg
Biodegradability	OECD-301-B	> 90			%

(*) non mesurable

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