

GELSA LICA 2

LITHIUM – CALCIUM GREASE

DESCRIPTION

Lithium-calcium grease made with high quality mineral and synthetic base oil and special additives for improving performance.

APPLICATIONS

Lubrication of machinery subject to high loads and temperatures in presence of water, moisture, dust and dirt. Examples of application:

- ⇒ Plain and roller bearings in the industries of steel, paper, food, textile, etc.
- ⇒ Mechanical components exposed to outdoor environment in mining, quarries, earth movements, etc.
- ⇒ Drags, gates, waste treatment plants.

Notes for use:

Due to its high adherence and base oil viscosity it is recommended to verify its pumpability in

central lubrication systems, especially at low temperatures.

PROPERTIES

- Excellent behaviour in presence of water and moisture.
- High stability in front of mechanical work.
- Superior resistance to aging, avoiding grease degradation in service even for long lubrication intervals.
- High corrosion protection of metallic parts.
- Excellent EP and load carrying capacity.
- Low ash content.
- Suitable from -20 up to +120 as working temperature, possible peak temperatures of +140°C.

QUALITY LEVEL

- ISO-L-XBDIB 2

TECHNICAL CHARACTERISTICS

	Method	Typical values	Units
Appearance	-	Amber grease	-
Penetration at 25°C after 60 strokes	ASTM D-217	287	mm x 10 ⁻¹
Penetration at 25°C after 10 ⁴ strokes, var.	ASTM D-217	+35	mm x 10 ⁻¹
Consistency NLGI	ASTM D 217	2	-
Base oil viscosity	ASTM D 445	1000	cSt
Dropping point	ASTM D-566	180	°C
Welding load, 4 ball test	ASTM D-2596	400	Kg
Water resistance at 90 °C	DIN 51807-T 1	1	-
Oil separation (100 °C)	ASTM D 6184	1,2	%
Copper corrosion – 24h. a 100 °C	ASTM D 4048	1b	-
Speed factor - n·d _m (n=rpm of bearing; d _m =average diameter of bearing)	-	200.000	mm x min ⁻¹

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