



Definition

Non-toxic calcium sulphonate grease with high dropping point and adhesiveness. With excellent load carrying capacity, EP.

Successful sectors

Food processing industry

- Beverage, dairy and oil industry
- Bakery industry
- Agricultural sector and animal feed processing.
- Pharmaceuticals and cosmetics

Milestones and benefits

- Mechanisms with sliding or rolling movements; bearings, rolling bearings, gears, worms, chains, spherical plain bearings, etc.
- Food and pharmaceutical industry: Lubrication of equipment and machinery where there may be incidental contact with food or pharmaceuticals; as well as in clean industries.
- All types of industry where a high performance EP and water resistant grease is required.
- High speed systems where high tack is required.
- Allows for a single high-performance grease for multiple applications.
- Excellent wear protection in sliding, rolling and impact movements.
- High resistance to water washout. Maintain consistency when working with water..
- Maintain extreme pressure and corrosion protection characteristics even with high water content.
- High rust protection, even when water is in the vapour phase.
- Good oxidation stability extends greasing times.
- Good compatibility with seals and elastomers.
- Excellent low temperature fluidity. The right grease must be chosen.

This product does not contain.

- Animal/vegetable fats and oils that could lead to rancidity and promote biological growth.
- It does not contain allergens according to ANNEX II of Regulation (EU) No 1169/2011, nor Genetically Modified Organisms (GMOs).
- Heavy metals.
- Bactericidal/biocidal, as they are not likely to cause biological growth.





Quality level

elesa® CAPLEX H1 FOOD GRADE is registered in the "NSF White Book" as NSF-H1 Registration No. 150984. Available at <http://www.nsf.org>. Compliant with USDA-H1 , FDA 21 CFR 178.3570 and UNE-EN ISO21469/DIN V 10517-Machine Safety. Lubricants with incidental food contact.

Consistencia	2
DIN 51502	KP2P-25
ISO 6743-9	ISO – L – XBEIB 2

Features

CARACTERISTICAS	NORMA	CAPLEX H1 FOOD GRADE
		2
Appearance	DTC PL08	Homogeneous
Color	DTC PL09	Caramel
Nature Base oil		Mineral
Type of thickener		Calcium sulphonate
Base oil viscosity at 40 °C (cSt)	ASTM D445	150
Consistency (NLGI Grade)	DIN 51818	2
Penetration, 25°C, worked at 60 strokes, 1/10 mm	ASTM D217	265-295
Penetration, 25 °C, worked at 100,000 strokes, 1/10mm	ASTM D217	235-265
Mechanical stability: Penetration variation 100.000 (%)	ASTM D217	-10
Dropping Point, °C	ASTM D566	>260
4 balls welding load, kg	ASTM D2596	400
4 Balls footprint diameter, mm	ASTM D2266	0,44
Corrosion protection for steel	ASTM D1743	Pasa
Corrosion to Copper, 100º C, 24 h	ASTM D4048	1a
Working temperature, °C		-20 a 160

The stated characteristics reflect typical values. They should not be taken as product specifications.



Aerosol: 400 c.c.
Garrafa: 1 L, 5 L
Bidón: 20 L, 50 L, 200 L,
209 L
IBC: 1000 L



Alternative products

For availability of alternative products, please consult our technical department. elesa® CAPLEX H1 2 SINT provides EXTRA EP protection, and a variant with solid safety additives is available.

Storage

Do not store at temperatures above 25°C and below 0°C, store in a dry place away from direct light. It should be kept in the original packaging.

Health and safety

There is a corresponding Safety Data Sheet in accordance with current legislation, which provides information on the product's hazard, handling precautions, first aid measures and available environmental data.

