

Technical Datasheet

elesa® LUBE H1 SILICONA

NSF H1 Antioadherent Synthetic Fluids.



• Description

Transparent, colourless, Anti-adherent Synthetic Lubricant Fluid.

elesa® LUBE H1 SILICONA is suitable for the food industry and meets FDA 21CFR 178.35 70 and NSF H-1 standards for products that may have incidental contact with food.

elesa® LUBE H1 SILICONA is registered in the "NSF White Paper" as NSF-H1 Registration No.145714. It can be found at www.nsf.org. It complies with the UNE-EN ISO21469-Machinery safety regulations. Lubricants with incidental contact with food. The content of FSA-1000 in the food cannot exceed 1 ppm = 1 mg / kg

• Applications

- ✓ Lubrication, maintenance and regeneration of rubbers.
- ✓ Lubrication of mechanisms – plastic, polyamide type, gears.
- ✓ As an anti-stick agent for hot cutting plastic film blades.
- ✓ As an anti-adherent for moulds used in shaping plastics and rubbers. A thin layer is sufficient for several successive mould release operations.
- ✓ Extremely stable to temperature. The product remains intact up to the recommended temperature. Does not form residues (i.e. within the moulds).
- ✓ Lubricates sliding graphite bands and those made from other materials used in shaping boards in the timber industry.
- ✓ Lubricates threads in the textile industry.
- ✓ **Practical examples:** Tire industry. Manufacture of pressed parts of polyamides, cellulose acetate, polystyrene, P.V.C. and others. Packaging industry: Prevents the sticking of the shrink wrap on hot cutting blades. Lubrication of paper cutting blades.

• Properties

- ✓ It has a high temperature resistance. It does not form residue, ex. Molds.
- ✓ Very good dielectric properties.
- ✓ Low surface tension
- ✓ Optimal resistance to oxidation and aggressive environments. Very difficult combustibility.
- ✓ Low freezing point
- ✓ High viscosity index: minimum variation of viscosity due to temperature changes.
- ✓ Shear Resistance
- ✓ Insoluble in water, alcohols and in most organic materials.

This product does not contain:

1. Animal fats or vegetable oils that can become stale and provoke biological growths.
2. Oils from dried fruits containing allergens
3. Oils from Genetically Modified Organisms – OMGs.
4. Heavy metals.
5. Bactericides/biocides, as the product is not susceptible to producing biological growths.

How to use spray:

1. Shake well. With the container upright, briefly practice on another surface. Press the button completely.
2. Spray for a short period of time and stirring again if large quantity applications should be made.
3. Do not keep the container less than 25 to 30 cm away from the object to be greased.
4. After use, invert the spray and press the button tightly until the product stops coming out and only gas comes out. This cleans the inner cannula and prevents blockages for new use.



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- **Characteristics**

TEST	METHOD	elesa® LUBE H1 SILICONA
Viscosity 40°C, cSt (bulk)	ASTM-D-445	>600
Density 25°C	ASTM-D-1298	0,97
Flash Point, V.A., °C	ASTM-D-92	>320
Pour Point, °C	ASTM-D-97	-50
Volatility at 230°C, 2 h, %		<2
Spec Resistivity, Ωcm, 25 °C	DIN 53482	10 ¹⁵
Operating Temperature		-50 to 230 °C

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

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