Product Information

Almasol® Oven Chain Lubricant (2710)

Environmentally friendly, synthetic lubricant promotes smooth, long-lasting operation despite extreme heat & moisture

Thorough, penetrating lubrication of the pin and bushing areas of oven chains is of utmost importance in ensuring smooth, efficient operation and long equipment life. Severe operating conditions, including extreme heat and moisture, can lead to corrosion and premature equipment failure if lubrication is inadequate.

Other costly side effects resulting from inadequate lubrication include:

- Chain links sticking and strands of chains becoming inflexible
- Chains becoming longer because of rough operation and wear
- Chains jumping off sprockets, contributing to early breakage and failure
- Electrical energy consumption increasing as the amount of friction increases

A successful oven chain lubricant has the ability to deliver the solids suspended in the lubricant carrier to the pin and bushing areas. As the carrier dissipates, only the necessary lubricating solids are left, coating the metal to prevent wear and corrosion. A good lubricant also will withstand heat over time – resisting oxidation – allowing it to last longer and continue to protect the equipment.

Almasol® Oven Chain Lubricant is the solution to trouble-free oven chain lubrication. It contains a synergistic blend of lubricating solids, including submicron-sized Almasol particles, in a specially designed synthetic carrier fluid. The environmentally friendly fluid evaporates, leaving behind a protective film of solids to lubricate chain parts without any accumulation of gum, carbon particles or other hard deposits. The protective solid film is water-resistant and reduces frictional drag over a broad temperature range in excess of the operating temperature of most ovens.

Beneficial Qualities

Protection

- Greatly reduces wear by completely penetrating pin and bushing area
- Resists corrosion by sealing out damaging moisture and shielding against acid attack
- Provides long-lasting protection by withstanding continuous high heat conditions without readily oxidizing

Performance

- Lubricates chains up to 482°C (900°F)
- Ensures quiet, smooth operation by thoroughly lubricating middle joints and strands and enabling them to move freely
- Decreases energy consumption by reducing frictional drag on electric motor

Environment

- Reduces environmental impact, with a biodegradable, water soluble, synthetic carrier fluid that evaporates readily and is nearly odorless (leaving behind naturally occurring, nonhazardous solids to lubricate the chain)
- Decreases lubricant consumption by staying in place for a long service life, despite presence of steam, moisture and heat
- Eliminates accumulation of carbon particles, gum or other hard deposits

Proprietary Additive

LE's proprietary additives are used exclusively in LE lubricants. Almasol® Oven Chain Lubricant contains Almasol.

Almasol® solid wear-reducing additive is able to withstand extremely heavy loads, chemical attack and temperatures up to 1,900°F (1,038°C). It is attracted to metal surfaces, forming a microscopic layer but not building on itself or affecting clearances. Almasol minimizes metal-to-metal contact and the resulting friction, heat and wear.

Technical Data

Almasol® Oven Chain Lubricant

	2710
Color	Gray-Black
Relative Density @ 60°F/60°F, ASTM D1298	1.081
Flash Point °C (°F), (PMCC), ASTM D93	91 (196)
Solids %	9.0-11.0
Application Temperature °C (°F)	79 (175)
Operating Temperature, Max °C (°F)	482 (900)

Performance Requirements Met or Exceeded

- USDA H2

Recommendations

- Use only as received; do not dilute.
- Flush spray application systems and units to completely remove previously used products as mixing may cause thickening and difficulty pumping.
- Product must be stirred before use and regularly during use to maintain lubricating solids in suspension.
- All sources of ignition must be extinguished before application.
- Oven temperature must be below 79°C (175°F) before applying.
- Oven exhaust fans must be running, and inspection door and steam dampers must be open before and during lubrication period.
- Ventilation must be continued until all vapors are exhausted; do not close oven doors until all vapors are exhausted and oven has been reheated to baking temperature.
- Keep container tightly closed when not in use.




Typical Applications

- Oven chains in food processing machinery
  - Bakery chains
  - Tortilla oven chains
- Industrial process oven chains
- Other chain lubrication applications where solids are required

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LE operates under an ISO 9001 Certified Quality System.

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