Product Information

Monolec® High Temperature Oven Chain Lubricant (9965-9966)

Synthetic H2 Lubricant Penetrates Hot Oven Chains, Remains Thermally Stable & Reduces Energy Use

Monolec® High Temperature Oven Chain Lubricant (9965-9966) is a specially formulated lubricant recommended for use on high-temperature oven chains, providing wear protection and lowering power consumption. It is a USDA H2 lubricant made of a synergistic blend of synthetic base fluids and high-performance additives, including Monolec, LE's exclusive wear-reducing additive. The synthetic base fluids provide excellent thermal stability and low volatility characteristics at high temperatures, while the additives help the lubricant prevent friction, wear and corrosion.

Beneficial Qualities

High-Temperature Performance

- Offers broad temperature range; can be used up to 300°C (572°F)
- As temperature increases, lubricant forms a soft carbonaceous residue with solid lubricant properties and minimal buildup.
- Reduces coefficient of friction at elevated temperatures
- Provides superior oxidation stability
- Reduces volatility
- High flash point minimizes safety concerns when applying to hot chains

Water Resistance

- Seals out damaging moisture
- Prevents corrosion

Wear Protection

- Effectively lubricates all moving parts of the chain
- Minimizes wear

Reduced Power Consumption

- Minimizes electrical energy needed for conveyor chain operation

Proprietary Additive

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

Monolec® wear-reducing additive creates a single molecular lubricating film on metal surfaces, vastly increasing oil film strength without affecting clearances. An invaluable component in LE's engine oils, industrial oils and many of its other lubricants, Monolec allows opposing surfaces to slide by one another, greatly reducing friction, heat and wear.

Technical Data

Monolec® High Temperature Oven Chain Lubricant

	9965	9966
Color	Light Amber	Light Amber
ISO VG	220	320
Relative Density @ 60°F/60°F, ASTM D1298	0.971	0.971
Viscosity @ 100°C, cSt, ASTM D445	18.77	23.33
Viscosity @ 40°C, cSt, ASTM D445	205.3	322.5
Viscosity Index ASTM D2270	101	91
Flash Point °C (°F), (COC), ASTM D92	300 (572)	300 (572)
Pour Point °C (°F), ASTM D97	-18 (0)	-15 (5)
Four-Ball Wear @ 75°C, 1200 rpm, 40 kgf, 60 minutes, mm wear, ASTM D4172	0.40	0.40
Falex Pin & Vee Block Wear 15 min., Teeth of wear @500 lb load, ASTM D2670	3	3

Performance Requirements Met or Exceeded

- USDA H2 (not intended for incidental food contact)

Typical Applications

- Automatic lubrication systems for baking ovens
- High-temperature oven chains such as those used in bakery ovens and kilns
- Kiln chain drives
- Skate chains in bread and bun baking
- Stenter and tenter chains

Monolec® is a registered trademark of Lubrication Engineers, Inc.

LI30109 04-12 rev 05-17

Plot 110 Scorpion Trail Street • Bridel Park, Gauteng
LE operates under an ISO 9001 Certified Quality System.

• (+27) 11 464 1735