

## PR-500

### SYNTHETIC PROOFER CHAIN LUBRICANT

**DESCRIPTION: Fully Formulated With Esters, ISO 100 (SAE 30) NSF H-2 Registered**

**PR-500** is a synthetic ester lubricant formulated for conveyor roller ball bearing chains, pin and roller chains, slides and gears that operate inside high humid food processing equipment and bakery proofer box applications. Outperforms mineral based petroleum oil lubricants by significantly reducing lubricant consumption and providing better film strength that protects against rust, corrosion, and wear.

#### FEATURES & BENEFITS:

- PR-500 adheres to the chain and eliminates rusting. Rusting is known to be one of the most critical problems for proofer chains due to the high concentration of humidity in the proofer box. Avoid rust and the life of the chain is increased.
- PR-500 provides superior resistance to wear and excellent film lubricity to all moving parts of the chain.
- PR-500 does not emulsify with water, it eliminates milky residue on floors and product contamination caused by dripping.
- NSF H-2 registered, meets USDA 1998 H-2 guidelines – Can be used in food plants for non-food contact. Contains no carcinogens and is environmentally friendly.

#### PHYSICAL PROPERTIES:

Property	Test Method	Typical Specification
ISO Grade	ASTM D445	100
SAE Grade	ASTM D445	30
Viscosity, cSt @ 40°C (104°F)	ASTM D445	99
Viscosity, cSt @ 100°C (212°F)	ASTM D445	9.5
Viscosity Index	ASTM D2270	60
Flash Point °C, C.O.C. (°F)	ASTM D92	263°C (505°F)
Fire Point °C (°F)	ASTM D92	285°C (545°F)
Pour Point °C (°F)	ASTM D97	-34°C (-26°F)
Evaporation Loss, 22 hrs.@ 98.9°C (210°F), %	ASTM D972	0.2
4 Ball Wear Scar, MM 1 Hour, 1200 rpm, 40 Kg, 75°C (167°F)	ASTM D2266	0.42
Rust Test, 48 Hours Distilled Water Sea Water	ASTM D665A ASTM D665B	Pass Pass
Density, lbs/usg @15.6°C/15.6°C	ASTM D4052	8.0
Specific Gravity	ASTM D1298	0.958
Appearance	QL4099	Amber liquid

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**Member of the American Baking Society**

**HANDLING PRACTICES:**

For information on the safe handling and use of this product, refer to the Material Safety Data Sheet.  
For more information and availability, call (630) 513-6350.