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TECHNICAL DATA

PR-500

SYNTHETIC PROOFER CHAIN LUBRICANT

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.

PR-500 PROOFER CHAIN 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 D-445	100
SAE Grade	ASTM D-445	30
Viscosity, cSt @ 40°C (104°F)	ASTM D-445	99
Viscosity, cSt @ 100°C (212°F)	ASTM D-445	9.5
Viscosity Index	ASTM D-2270	60
Flash Point °C, C.O.C. (°F)	ASTM D-92	263°C (505°F)
Fire Point °C (°F)	ASTM D-92	285°C (545°F)
Pour Point °C (°F)	ASTM D-97	-34°C (-26°F)
Evaporation Loss, 22 hrs. @ 98.9°C (210°F), %	ASTM D-972	0.2
4 Ball Wear Scar, MM 1 Hour, 1200 rpm, 40 Kg, 75°C (167°F)	ASTM D-2266	0.42
Rust Test, 48 Hours Distilled Water Sea Water	ASTM D-665A ASTM D-665B	Pass Pass
Density, lbs/usg @ 15.6°C/15.6°C	ASTM D-4052	8.0
Specific Gravity	ASTM D-1298	0.958
Appearance	QL-4099	Amber liquid

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.



PETROCHEM, INC.

SPECIALTY LUBRICANTS

6N999 Whispering Trail Road, St. Charles, IL 60175
Phone: 630.513.6350 Fax: 630.513.8324
www.petrochem1.com info@petrochem1.com

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