

PETRO-GARD® 68

EXTREME HIGH TEMPERATURE SYNTHETIC CONVEYOR OVEN CHAIN LUBRICANT

DESCRIPTION: Synthetic, Fully Formulated With Esters, ISO 68 (SAE 20 High Flash Point, Excellent Wear Protection, NSF H-2 Registered)

PETRO-GARD® 68 is formulated from premium state of the art synthetic polyol ester base oils and proprietary additives for conveyor roller ball bearing chains, pin/roller chains, tortilla chains, slides and gears that operate in extreme high temperature oven environments. PETRO-GARD® 68 has established several OEM approvals and credible testimonies from bakeries and other industries worldwide.

FEATURES & BENEFITS:

- 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
- Exceptional Wear Protection: It has one of the highest lubricity ratings to protect against wear, friction, rust and corrosion; thus, extending bearing, chain and equipment life.
- Reduced Carbonization & Oxidation: PETRO-GARD®68 is a clean, ashless fluid-film that decreases energy consumption by maintaining optimal amperage, eliminating chain stretching and chain dragging.
- Lower Evaporation & Volatility: Very stable in high temperatures, provides longer lubrication intervals, saves money on lubricant consumption, has less smoke and no objectionable odors
- High Flash Point: PETRO-GARD® 68 has a very high flash point 590°F & can be applied to either a hot or cold chain while in production, hence reducing maintenance cost and increasing productivity.

PHYSICAL PROPERTIES:

Property	Test Method	Typical Specification
ISO GRADE	ASTM D 445	68
Specific Gravity, 15.6°C	ASTM D 1298	0.95
Viscosity, cSt @ 40°C (104°F)	ASTM D 445	68
Viscosity, cSt @ 100°C (212°F)	ASTM D 445	10
Viscosity Index	ASTM D 2270	130
Fire Point, °C (°F)	ASTM D 92	330°C (625°F)
Flash Point, °C (°F)	ASTM D 92	310°C (590°F)
Pour Point, °C (°F)	ASTM D 97	-45°C
Acid No., mg KOH/g	ASTM D3242	0.2
4-Ball Wear Test, 40 Kg, 1200 RPM, @ 167°F, 1 hr. Average wear scar diameter, mm	ASTM D 4172	0.38
Evaporation Loss, 6.5 HRS. @ 204°C (400°F), %	ASTM D-972	0.95
Falex Tooth Wear (15 min., 700 lb. gage load,) Teeth Lost	ASTM D-2670	0
Rust Test, 48 Hrs. Distilled Water	ASTM D 665A	Pass

Petrochem, Inc.

333 North Randall Road, St. Charles, IL 60174

Phone (630) 513-6350 Fax (630) 513-8324

Web www.petrochem1.com

Email info@petrochem1.com



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Member of the American Baking Society

Rust Test, 48 Hrs. Sea Water	ASTM D 665B	Pass
Appearance	QL 4099	Light Amber Liquid

APPLICATIONS:

- Bakery Oven Chains
- Roller Ball Bearing Chains on Oven Conveyors
- Pin/Roller Chains on Tunnel & Tray Ovens
- Tenter Frame Oven Chains
- Paint Oven Chains
- Wood Laminating Oven Chains
- Fiberglass Production
- Cement Plants
- Kiln Car Wheel Bearings & Support Rollers
- Beverage Can Lines
- Lithographic Chains
- Drying Ovens



REGULATORY STATUS: NSF REGISTERED # 138124

TSCA (USA)	YES
EINECS (EU)	YES
NDSL (CANADA)	YES
AICS (AUSTRALIA)	YES
ECL (KOREA)	YES
PICCS (PHILIPPINES)	YES
DIRECT FOOD CONTACT NO	(H-2)
FOOD PROCESSING PLANTS	YES

STORAGE & HANDLING PRACTICES:

Warehouse in unopened containers at ambient conditions. Under these conditions, storage life is practically indefinite. 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.