



LUBRIPLATE® SYNXTREME HT MAX

High-Temperature, Extended Performance
Perfluoropolyether PFPE-Based Grease

Enabling Superior Performance, High Temperature Capability And Extended Lubrication Intervals.

*Advanced
PFPE Technology
O-[CF(CF₃)-CF₂]-O*



LUBRIPLATE SYNXTREME HT MAX is a Perfluoropolyether PFPE-Based Grease that is used for high-temperature applications and applications where chemical inertness and solvent resistance is required.

Advantages -

- High Temperature Capability (Up to 550°F / 288°C).
- NSF H1 Registered* Food Machinery Grade - Provides Safe, Non-Toxic Lubrication.
- Chemically Inert - Unaffected by strong acids and bases and is not attacked by solvents including fuels.
- Effective for Oxygen Service Applications.
- Fortified with an Anti-Rust, Anti-Corrosion Inhibitor.
- Provides Extremely Long Service Life and Extended Lubrication Intervals.
- Reduces Downtime and Associated Service Costs - Extends Equipment Life.
- Excellent Thermoxidative and Hydrolytic Stability.

Specifications -

Typical Base Fluid Properties	Test Method	Results
Chemistry	Report	Perfluoropolyether PFPE
Kinematic Viscosity 40°C	ASTM D-445	488 cSt
Kinematic Viscosity 100°C	ASTM D-445	46 cSt
Viscosity Index	ASTM D-2270	150
Flash Point	ASTM D-92	None
Pour Point	ASTM D-97	-30°C
Typical Grease Properties		
Thickener	Report	PTFE
Color / Appearance	Visual	White / Smooth
Worked Penetration	ASTM D-217	265 - 295
NLGI Grade	ASTM D-217	2
Oil Separation, 24h at 100°C	ASTM D-6184	1.93%
Evaporation, 24h at 100°C	CTM-1	0.04%
Effective Temperature Range	ASTM D-2265	-4°F / -20°C to 550°F / 288°C
Ferrous Corrosion Prevention, DI Water	CTM	>168h
Density, 25°C	CTM-2	1.98 g/cc
Copper Corrosion, 24h at 100°C	ASTM D-4048	1B
Oxidation Induction Time (PDSC)	MIL PRF 32014, 250°C	>120 min
Four Ball Extreme Pressure Test	ASTM D-2596	>8000N, >800Kg
Packaging / Part Number	Cartridge	L0331-002

*NSF H1 Registration Number 153949. For food machinery applications with incidental food contact.



LUBRIPLATE® HTCL-FG-68 & HTCL-FG-220

High-Temperature, 100% Synthetic, Polyol Ester (POE)-Based, Oven Chain Lubricants

Advanced, 100% Synthetic Oven Chain Lubricants Formulated To Take The Heat.



LUBRIPLATE HTCL-FG-68 & HTCL-FG-220: These high-performance, oven chain lubricants were specifically designed for use on oven chains used in food manufacturing operations where incidental food contact is a possibility. They are recommended for use on bakery oven chains and other oven chain applications, including; drying oven chains, tender frame chains, heat-treating and paint curing oven chains.



Advantages -

- High-Performance, 100% Synthetic, Polyol Ester (POE) Formula Reduces Friction, Wear and Energy Costs.
- NSF H1 Registered* Food Machinery Grade - Provides Safe, Non-Toxic Oven Chain Lubrication.
- Eliminates Carbon Build-Up on Chains - Helps Maintain a Clean Lubricated Surface.
- Free of Harmful VOC's - Creates a Safer Work Environment.
- High Auto-Ignition Temperatures Reduce The Risk of Oven Fires.
- Superior Film Strength Reduces Oil Consumption and Reduces Smoke.

Specifications -

Lubriplate Product / Properties	HTCL-FG-68	HTCL-FG-220
ISO Grade	68	220
Kinematic Viscosity cSt @ 40°C	68	224
Kinematic Viscosity cSt @ 100°C	11	20
Oven Test @ 150°C - Vis Change 24 hrs	69	226
Vis Change 72 hrs	72	247
Vis Change 120 hrs	75	270
TAN Change 24 hrs	0.11	0.12
TAN Change 72 hrs	0.20	0.22
TAN Change 120 hrs	0.28	0.26
Flash Point	575°F / 302°C	575°F / 302°C
Evaporation Loss 204°C / 24 hours	2.45	2.05
TGA Wt Loss 250°C	0.23	0.13
Panel Cooker, 600°F, Residue, mg	13	18
4-Ball Wear Test 40 Kg, 600 rpm, 180°C	0.48	0.48
Block On Ring COF	0.09	0.09
Ramsbottom, Carbon Residue	0.06	0.06
Packaging / Part Number		
Carton 4 / 1 Gallon Jugs	-	L0947-057
5 Gallon Pail	L0946-060	L0947-060
55 Gallon Drum	L0946-062	L0947-062

*NSF H1 Registered for food machinery applications with incidental food contact.

LUBRIPLATE LUBRICANTS COMPANY

Newark, NJ 07105 / Toledo, OH 43605 / 800-733-4755 / www.lubriplate.com / LubeXpert@lubriplate.com