



DURALIFE® POE FULL SYNTHETIC FOOD MACHINERY OVEN CHAIN LUBRICANTS

DURALIFE® POE FULL SYNTHETIC FOOD MACHINERY OVEN CHAIN LUBRICANTS are high temperature, non-toxic, USDA H-1 food grade oven chain lubricants designed specifically to provide long-term lubrication and high load carrying capacity to chains on equipment in food industry under severe heavy duty and extreme ambient conditions. They are formulated from Polyol Esters and additives to meet the stringent requirements of the U.S. Food and Drug Administration (FDA) Federal Regulation 21 CFR 178.3570, 178.3620 and the NSF International guidelines for incidental food contact.



APPLICATIONS :

DURALIFE® POE FULL SYNTHETIC FOOD MACHINERY OVEN CHAIN LUBRICANTS are recommended for chains, conveyors, bearings found in high temperature ovens in food & beverage container manufacturers, potato/corn chip/snack food plants, bakeries, sugar & candy manufacturers, cheese product producers, pasta manufacturers, cheese producers, vegetable & fruit processors, oil mills & seed cake processors, meat and poultry processing plants, seamers, fish & seafood processing plants, pet food & animal feed producers and other food manufacturing & processing plants.

BENEFITS :

- H1 food grade oven chain lubricant.
- Lubricate chains up to 300 °C (572°F)
- Excellent wear, corrosion and rust protection.
- Low friction, Extreme pressure.
- Excellent oxidation stability and reduced volatility at high temperatures.
- Good thermal stability.
- Oil film stays well maintained. Excellent lubricity.
- High degree of solvency to keep the chains free from deposits.
- Bacteriological protection.
- Reduce energy consumption & cost.
- Low maintenance.

TYPICAL CHARACTERISTICS :

Product Specifications	Test Method	FMOCL 68	FMOCL 100	FMOCL 220	FMOCL 320
ISO Grade		68	100	220	320
Color	ASTM D 1500	0.5	0.5	0.5	0.5
Viscosity @ 40 °C, cSt @ 100 °C, cSt	ASTM D 445	70	100	220	350
		10	12	19	24
Viscosity Index	ASTM D 2270	125	120	95	85
Flash Point, °C(°F)	ASTM D92	315(599)	310(590)	315(599)	305(581)
Pour Point, °C(°F)	ASTM D97	-50(-58)	-40(-40)	-25(-13)	-20(-4)
Four Ball Wear Test, mm (40Kg, 1200 rpm, 100 °C mm (40Kg, 600 rpm, 200 °C	ASTM D 4172	0.48	0.44	0.64	0.72
		0.44	0.45	0.48	0.49
Weight loss, % (20hrs, 204 °C) % (20hrs, 260 °C)		2.3	2.6	2.0	1.9
		24	26	29	31
Residue, % (20hrs, 260 °C)		12	14	20	20
Specification & Certificates					
	NSF International Registration #	154024	154023	154025	154026
	HALAL Certificate #	HPR 2791- O/G			

The above characteristics are average values based on recent production. Minor variations which do not affect product performance are to be expected in normal manufacture .

WARNING!

Continuous contact with used oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children.

Don't pollute. Conserve resources. Return used oil and bottle to collection centers

Reference MSDS Number 12123 database on our website at www.amtecol.com

