

THERMAL-LUBE

100% SYNTHETIC PAO HIGH TEMP

OIL - INCIDENTAL FOOD CONTACT

XL0856

February 2026

XL0856 is a polyalphaolefin based fluid formulated specifically to ensure lubrication at high temperatures and vacuum. **XL0856** contains state-of-the-art synthetic additives blended with a stable, long-chain synthetic base stock of the highest purity.

XL0856 is totally ashless, non-carbonizing, and exhibits low volatility. Upon approaching its maximum temperature (~400°C), **XL0856** will slowly evaporate without residue.

XL0856 is relatively non-toxic and is authorized for use in food and meat producing plants (NSF H1). Applications can be found in glass forming and heat-treating conveyor ovens; textile Tenter frames and dry cans; food wafer oven chains, baking ovens in the metal annealing and smelting industries, etc.

XL0856 is formulated to meet all ISO grades, and is suitable for most standard drip and spray mist lubrication systems. Compatibility with mineral oils and other synthetic oils (except glycol-based products) is excellent.

ADVANTAGES

- Non-Carbonizing
- Anti-Wear
- Anti-Foam
- Highly Resistant to Chemical Breakdown
- High Temperature Stability

TYPICAL SPECIFICATIONS

Product Code: XL0856	/022	/032	/046	/068	/100	/101	/220 /225
ISO Grade	22	32	46	68	100	100	220
Viscosity (cSt @ 40°C) (ASTM D445) (cSt @ 100°C) (ASTM D445)	23.5 4.8	32.5 5.5	43.1 6.6	63.5 8.5	100 11.5	110 15.5	235 24.0
Viscosity Index	128	105	105	104	110	149	128
Flash Point (°C)	252	255	257	257	257	260	260
Pour Point (°C) (ASTM D97)	-58	-47	-40	-40	-35	-22	-18
Specific Gravity (g/ml)	0.790	0.830	0.834	0.850	0.859	0.860	0.875
Colour	Clear Colourless to slightly amber						

Please Note: For industrial use only. Avoid contamination of food products during use or storage. Do not add it directly to food.



Nonfood Compounds
(Category Code H1)



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