

Alusynt® EF-T

FOOD-GRADE SYNTHETIC ESTER BASE HIGH TEMPERATURE CHAINS LUBRICANTS

DESCRIPTION

The **Alusynt® EF-T** are food-grade lubricants of last generation, totally synthetic ester-based, thermo-oxidative resistance and suitable for the lubrication of chains of conventional ovens operating at high temperatures.

The **Alusynt® EF-T** are made entirely of substances included in the List 21 CFR 178.3570 of FDA (Food and Drug Administration-USA): eligible components for formulating lubricants to be used where possible accidental contact with food substances (Category H1).

Aluchem products and plants have also been **Kosher** Certified.

CHARACTERISTICS and PERFORMANCE

Alusynt® EF-T lubricants are characterized by high molecular polarity allows it to form a tenacious lubricant film, outstanding thermal stability, high viscosity index, excellent wear protection and antioxidant and absence of carbon residue.

The above mentioned properties make them usable in a wide temperature range of application and in particular to ensure optimum lubrication up to temperatures of 250°C because they have low evaporation and minimum smoke ensuring reduced friction and wear.

These characteristics can greatly extend the life of the chains as they ensure the regularity of operation and reducing the need for maintenance due to breakage or premature wear.

They also allow a drastic reduction in the quantity of lubricant to be dispensed with consequent significant savings of the costs in the production cycle.

APPLICATIONS

The **Alusynt® EF-T** are designed primarily for the lubrication of chains of conventional ovens in the food sector.

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The data in this product information is based on our general experience and knowledge. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected.

Alusynt[®] EF-T

Technical Data	Method	Unit	Typical Values			
			150	220	320	460
ISO Viscosity Grade	ASTM D 2422	-	150	220	320	460
Viscosity at 40°C	ASTM D 445	mm ² /s	151,3	219,5	320,1	462,3
Viscosity at 100°C	ASTM D 445	mm ² /s	18,75	24,78	33,67	44,68
Viscosity Index	ASTM D 2270	-	140	142	148	151
Flash point, C.O.C.	ASTM D 92	°C	275	270	268	277
Pour Point	ASTM D 97	°C	-27	-33	-39	-36
TAN Total Acid Number	ASTM D 664	mg KOH/g	< 0,30	< 0,30	< 0,30	< 0,30
Four ball wear 1200 rpm 40 Kg for 1 hr at 75°C	ASTM D 4172 04	mm	< 0,45			
Four ball EP Weld point	ASTM D 2783	kg	> 200			
FZG Test	DIN 51.354	Stadio	> 12° stadio			
Density at 20°C	ASTM 1298	g/cm ³	0,920	0,920	0,920	0,920
Foaming tendency/stability; Seq. I,II,III	ASTM D 892	ml/ml	0/0	0/0	0/0	0/0
RBOT Rotary Bomb Oxydation Test	ASTM D 2272	min	1250	1220	1200	1240

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