

TEXOL

Chemical

Technical Data Sheet

Texol Texotherm™ FG-S Series

High performance fully synthetic food machinery heat transfer fluid

Product Description

Texotherm™ FG-S Series are formulated for use as an NSF H1 registered hot oil medium for both open and closed heat transfer systems. It is a fully synthetic fluid that has naturally low carbon forming characteristics, low volatility, good heat capacity and effective high temperature thermal stability, which provides long life in heat transfer service.

It is available in four (4) grades, ISO 22,32,46 and 68, for circulating heat transfer systems. Texotherm™ FG-S, formulated with the highest quality synthetic fluids and food grade additives, meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570.

Customer benefits

- NSF H1 registered
 - Bacteriological protection
 - Outstanding thermal stability
 - Low volatility
 - Excellent thermal conductivity
 - Good oxidation stability
 - High viscosity index
- Use where incidental food contact may occur.
Inhibits growth of bacteria, yeast and mold.
Resists cracking at elevated temperatures.
Safe to use up to 300°C.
Efficient heat transfer.
Long, trouble-free life.
Improved pumping.

Applications and Uses

- Texotherm™ FG-S is a heat transfer fluid that is designed to meet the highest oxidation requirements of circulating hot oil systems found in the “clean” industries such as food, beverage, pharmaceutical and personal care products.
- Open and closed heat transfer systems

Typical Properties

Property (Unit)	FG-S 22	FG-S 32	FG-S 46	FG-S 68	Method
Density at +15 °C	0.820	0.825	0.832	0.846	ASTM D4052
Viscosity @40°C, cSt	22.25	31.8	44.6	67.8	ASTM D445
Viscosity @100°C, cSt	4.69	5.95	7.56	9.02	ASTM D445
Viscosity Index	129	135	136	142	ASTM D2270
Flash Point, °C	215	241	260	280	ASTM D92
Auto Ignition, °C	349	350	350	354	ASTM E659
Pour Point, °C	<-42	<-40	<-39	<-38	ASTM D97

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