



# TEXFOOD HTF 35

FOOD GRADE HEAT TRANSFER FLUID



## DESCRIPTION

LUBTEX<sup>®</sup> TEXFOOD HTF 35 is designed for closed circuit and pressure less heat transfer systems. It is based on a careful blend of highly refined oils and additives chosen for their ability to meet the stringent requirements of the food industry. It can be used in both direct contact applications (Class HT1) and where there is potential for incidental food contact. Produced according to FLT Quality Standards, in facilities where Good Manufacturing Practice have been implemented and form part of the quality and hygiene management systems ISO 9001.

## APPLICATION

Heat transfer systems with a bulk oil temperature range of approximately -10 °C to max 325°C where the surface temperature of the heating elements (oil film temperature) should not exceed +340 °C.

## OUTSTANDING FEATURES

- Wide temperature range for application
- High temperature and oxidation stability
- Neutral odour and taste

## HANDLING AND STORAGE

All food grade lubricants should be stored separately from other lubricants, chemical substances and foodstuffs and out of direct sunlight or other heat sources. Store between 0 °C and +40 °C. Provided that the product has been stored under these conditions we recommend using the product within 5 years from the date of manufacture. Upon opening a pack, the product must be used within 2 years (or within 5 years of date of manufacture, whichever is the sooner).

## SEAL AND PAINT COMPATIBILITY

Compatible with the elastomers, gaskets, seals and paints normally used in food machinery lubrication systems.

## OPERATING GUIDELINES

Care should be taken to ensure sufficient flow rate to avoid even a temporary overheating of the LUBTEX<sup>®</sup> TEXFOOD HTF 35. The surface temperature of the heating elements (film temperature) should not exceed +340 °C. For physical parameters of the oil necessary for the calculation of the heat transfer coefficient in the system, such as density, specific heat and coefficient of thermal conductivity please contact your local partner. To ensure maximum lifetime it is recommended to monitor the oil periodically.

<b>Technical Data (typical value)</b>	<b>TEXFOOD HTF 35</b>
Colour	Colourless
Density at 15 °C kg/m <sup>3</sup>	869
20 °C kg/m <sup>3</sup>	865
60 °C kg/m <sup>3</sup>	840
Specific Heat at 40 °C kJ/kg.K	1.76
100 °C kJ/kg.K	2.03
200 °C kJ/kg.K	2.37
Coefficient of thermal expansion per °C	0.000760
Flashpoint °C	218
Fire Point °C	256
Pourpoint °C	-18
Kin. Visc. at +40 °C mm <sup>2</sup> /s	35
Kin. Visc. at +100 °C mm <sup>2</sup> /s	5.8
Max. oil film temperature* °C	340
Max. bulk oil temperature °C	325

\*The content of this data sheet given in good faith but without warranty

<b>Thermal Data (typical value)</b>	<b>TEXFOOD HTF 35</b>			
Temperature	15 °C	38 °C	260 °C	316 °C
Density, kg/L	0.868	0.854	0.716	0.681
Thermal Conductivity, W/m K	0.138	0.136	0.124	0.121
Heat Capacity, kJ/kg K	1.87	1.94	2.69	2.88
Vapour Pressure, kPa	0.00	0.00	3.01	14.28

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