




GLOBALTHERM LUBE PRIVATE LIMITED

“Heating Solution Expert”

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 7490037570

❖ Globaltherm S

Synthetic heat transfer fluid has excellent thermal and oxidation stability allowing at high temperature for extended periods. Good thermal conductivity and low viscosity at the relevant operating temperatures ensure high heat transfer rates, requiring limited pumping energy. It also has low vapour pressures at elevated temperatures, greatly reducing evaporation, vapour lock and cavitation, eliminating the need for high pressure piping and equipment.

PHYSICAL AND CHEMICAL PROPERTIES :

PARAMETER	UNIT	CODE(ASTM/ISO)	RESULT
Operating Range	°C	N/A	326
Appearance	N/A	N/A	Clear & bright
Density @ 29.5 °C	Kg/m ³	ASTM D4052	865
Kin. Viscosity 40 °C	mm ² /s (cSt)	ASTM D445	24-28
Kin. Viscosity 100 °C	Mm ² /s (cSt)	ASTM D445	4.9
Flash point COC	°C	ASTM D92	224
Viscosity Index		ASTM D2270	124



GLOBALTHERM 55

GlobalTherm 55 is an alkylated aromatic synthetic heat transfer fluid designed for use in closed loop system from -40°C to 315°C . With outstanding thermal and oxidative stability.

PHYSICAL AND CHEMICAL PROPERTIES :

PARAMETER	UNIT	CODE (ASTM/ISO)	RESULT
<i>Composition</i>			<i>Mixture of synthetic hydrocarbons</i>
<i>Appearance</i>	<i>N/A</i>	<i>N/A</i>	<i>Clear yellow liquid</i>
<i>Operating Range</i>	<i>°C(°F)</i>	<i>N/A</i>	<i>-40 TO 315</i>
<i>Density @25°C</i>	<i>Kg/m³</i>	<i>ASTM D4052</i>	<i>868</i>
<i>Kin. Viscosity 40°C</i>	<i>Mm²/s (cSt)</i>	<i>ASTM D445</i>	<i>19</i>
<i>Kin. Viscosity 100°C</i>	<i>°C</i>	<i>ASTM D445</i>	<i>3.52</i>
<i>Flash point COC</i>	<i>°C</i>	<i>ASTM D92</i>	<i>193°C</i>
<i>Neutralisation Nr (acid), TAN</i>		<i>ASTM D974</i>	<i><0.01</i>

❖ GLOBALTHERM FG

Globaltherm FG thermal fluid is a high efficiency heat transfer fluid specifically developed for non-pressurised , indirectly heated, liquid phase heat transfer systems found in food processing plants, pharmaceutical operation, edible oil, namkeen plant and other “food grade” application that require bulk temperature up to 326°C.

Globaltherm FG Heat transfer fluid unique chemistry starts with a blend of 99.9% pure base fluids, produced from a patented HT purity process.

Registered by NSF (Class HT1) For use where there is potential for incidental food contact. This product contains only substances permitted under US 21 CER 178.3570, 178.3620 and 178.3620 and 182 for use in lubricants with incidental food contact.

PHYSICAL AND CHEMICAL PROPERTIES :

PARAMETER	UNIT	CODE (ASTM/ISO)	RESULT
<i>Appearance</i>	<i>N/A</i>	<i>N/A</i>	<i>Colourless transparent liquid with no odour</i>
<i>Operating Range</i>	<i>°C(° F)</i>	<i>N/A</i>	<i>-20 TO 326 (-4 TO 619)</i>
<i>Density @ 29.5 °C</i>	<i>Kg/m³</i>	<i>ASTM D4052</i>	<i>884</i>
<i>Kin. Viscosity 40°C</i>	<i>mm²/s (cSt)</i>	<i>ASTM D445</i>	<i>29</i>
<i>Kin. Viscosity 100°C</i>	<i>Mm²/s (cSt)</i>	<i>ASTM D445</i>	<i>5.2</i>
<i>Flash point COC</i>	<i>°C</i>	<i>ASTM D92</i>	<i>228°C</i>
<i>Neutralisation Nr (acid), TAN</i>	<i>mgKOH/g</i>	<i>ASTM D974</i>	<i>NTR</i>

Thank you

From : Globaltherm Lube Pvt Ltd

