

Hi-Tech Therm S3

HIGH PERFORMANCE HEAT TRANSFER FLUID

With the experience of 18 years, **Team Generation Four Engitech Ltd.** is one of the well-known names in the field of thermic fluids. Including export and Indian market we are serving to more than 5000 clients, directly and with the help of dealer network. **Hi-Tech Therm S3** is manufactured out of purest **Synthetic base oil** having nearly nil sulphur contain. Due to its special additive package it has very high efficient running life with low top up and low operating cost.

APPLICATION:- Hi-Tech Therm S3 can be used in all types of heat transfer systems for indirect heating. This oil work well in rapid heating and flexible heat transfer in industries like textile, chemical, plywood, food and many more. With the proper flow rate we can use this oil up to 326°C in close loop system. Proper plant and machinery design with standard operating condition this oil can give 10 to 20 years of working life.

Hi-Tech Therm S3 is compatible with other mineral or synthetic base thermic fluids. The product can be used for topping up however lab confirmation is recommended for more safety.

Product Performance On Test



Condition of **Hi Tech Therm S3**, after heating 326°C



Condition of other synthetic Thermic Fluid, after heating 320°C



Condition of mineral oil after heating 300°C

It is clear that **Hi Tech Therm S3** is more stable then general market synthetic Thermic Fluids

PHYSICAL PROPERTIES

Appearance	-	Water White Liquid
Max. Bulk Temperature	-	326°C
Kinematic Viscosity @40°C	-	<27mm ² /s (cST)
Kinematic Viscosity @100°C	-	<4.2mm ² /s (cST)
Flash Point	ASTMD92	227°C
Pour Point	ASTMD97	-20°C
Moisture Content	ASTMD6304	<100 ppm
Total Acid No.	ASTMD974	<0.01 mgKOH/g
Boiling Point	@1013 BAR	365°C
Max. Film Temperature	-	351°C
Autoignation point	ASTM E-659	400°C
Density @ 29.5°C	IP 365	<.86 g/ml
Copper Strip Corrosion	@100°C 3 Hr	1a
Odor	-	Odor Less

Generation Four Engitech Ltd.



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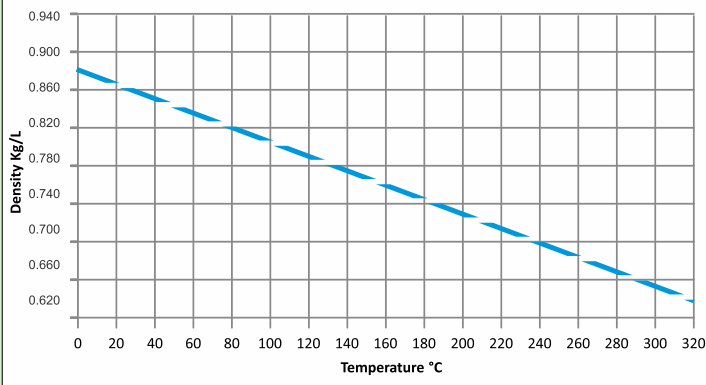
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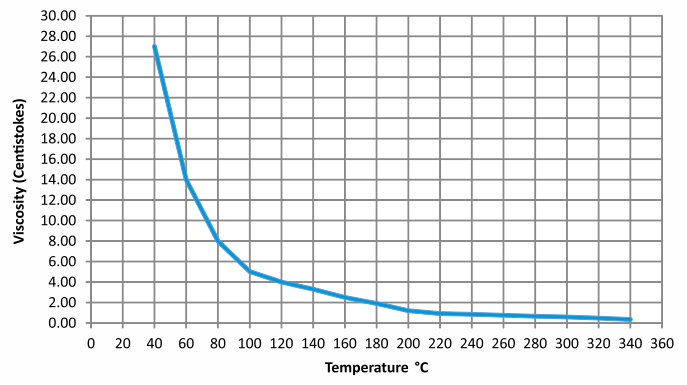
Features and Benefits

High Oxidation Stability	➤➤➤➤➤➤	Longer Fluid Life
Low Volatility	➤➤➤➤➤➤	Lower Top Up
Good Thermal Stability	➤➤➤➤➤➤	Can perform, requirement Temperature up to 326°C
Compatibility with others	➤➤➤➤➤➤	Operating Benefit and Future Protection
Low Pour point	➤➤➤➤➤➤	Quick start up in cold weather
Low acid No	➤➤➤➤➤➤	Safe for Plant
High flash point	➤➤➤➤➤➤	Higher Fire Safety
Low Sulphur Technology	➤➤➤➤➤➤	Less Tendency in Color Change.

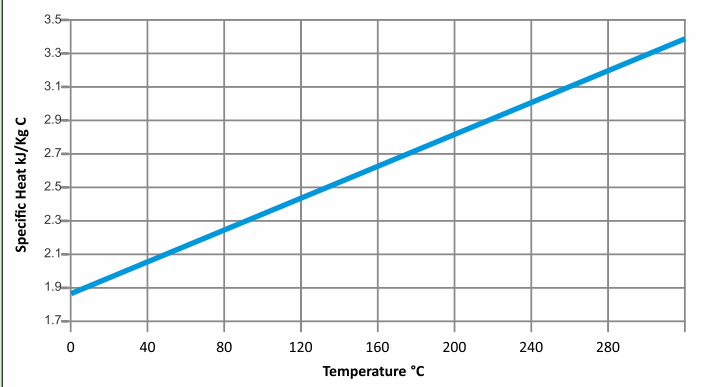
Change in Density with Temperature



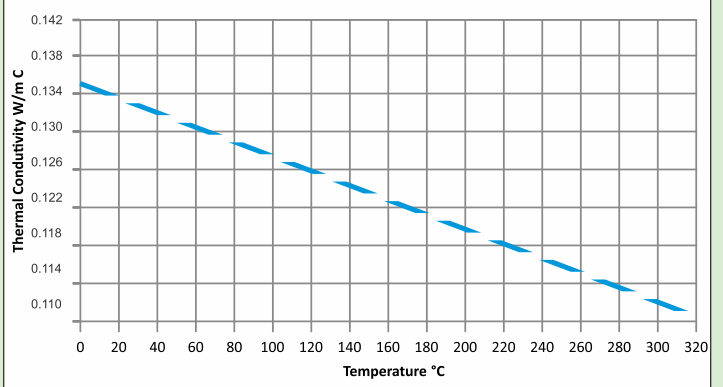
Change in viscosity with temperature



Change in Specific Heat with Temperature



Change in Thermal Conductivity with Temperature



For System design, maintenance and operation guide line

please contact **HI-TECH SOLUTION'S** technical team at, **Mob:** 9214048652, **Email:** en@hitechsolution.co.in

Right Price - Right Quality