

KYNOS HITHERM B

Heat Transfer Fluids

KYNOS LUBRICATION PRIVATE LIMITED

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KYNOS HITHERM B: Premium Heat Transfer Diathermic fluid

HITHERM B is a premium diathermic fluid designed for efficient heat transfer in industrial applications. Formulated with high-purity base oils, it offers exceptional thermal stability and low viscosity for optimal performance.

This fluid is suitable for both pressurized and non-pressurized systems, providing reliable heat management even at elevated temperatures. Its superior oxidation resistance ensures a longer service life and minimizes maintenance, making HITHERM B an ideal choice for applications in chemical processing, food production, and renewable energy systems.

Applications

- Utilized in reactors, heat exchangers, and distillation units for effective temperature control in Industries.
- It is recommended for heat transfer systems in a generator equipped with expansion vessels and a proper circulation speed, where the maximum oil temperature does not exceed 315 °C.

Benefits

- Maintains performance at elevated temperatures, ensuring efficient heat transfer.
- Extends service life and reduces the risk of degradation and maintenance costs.
- Enhances flow characteristics for better heat transfer efficiency in various applications.
- Suitable for both pressurized and non-pressurized systems, providing flexibility in application.
- Higher resistance against thermal cracking than conventional (higher viscosity) fluid.

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Typical Performance Data

Properties	Test Method	HITHERM B		
		22	32	100
Density @ 20 °C, g/ml	ASTM D-1298	0.860	0.870	0.883
Density @ 100 °C, g/ml	ASTM D-1298	0.810	0.812	0.815
Viscosity @ 40 °C, mm ² /s	ASTM D-445	21.8	30.3	95.4
Viscosity @ 100 °C, mm ² /s	ASTM D-445	4	5.4	7
Viscosity Index	ASTM D-2270	96	113	-
Flash Point, °C Minimum	ASTM D-92	200	208	259
Pour Point, °C Max	ASTM D-97	-15	-15	-12
TAN, KOH/kg	ASTM D-664	0.01	0.01	<0.03
Vapour Tension @ 200°C, mbar	-	9	2	-
Vapour Tension @ 250°C, mbar	-	38	16	-
Vapour Tension @ 300°C, mbar	-	135	55	-

*All performance data on this Technical Data Sheet are indicative only and may vary during production.