

KYNOS HITHERM A

Heat Transfer Fluids

KYNOS LUBRICATION PRIVATE LIMITED

☎ +91 8141800752 🌐 www.kynosoils.com✉ info@kynosoils.com / sales@kynosoils.com

KYNOS HITHERM A: Premium heat transfer fluid with additional protection against oxidation.

HITHERM A is specially formulated to provide exceptional thermal stability and efficiency in heat transfer applications. Enhanced with additional oxidation protection, this fluid extends the service life of systems by minimizing degradation and maintaining optimal performance even at high temperatures.

Its superior formulation ensures excellent heat transfer capabilities while reducing maintenance needs and the risk of system failures. Ideal for use in industrial processes, chemical manufacturing, and food processing, this fluid is engineered for reliable and efficient heat management.

Applications

- Used in manufacturing processes requiring precise temperature control.
- Effective in reactors and distillation units where consistent heat transfer is essential.
- Suitable for heating and cooling applications in food and beverage production.
- Employed in solar thermal systems for efficient heat management.
- Ideal for systems needing strict temperature regulation for safety and efficacy.

Benefits

- Additional protection against oxidation for applications where moisture, oxygen and copper are present.
- Excellent thermal & oxidation stability which contributes to long life at very high temperatures.
- Very high flash, fire & auto-ignition temperatures for added safety.
- Very low volatility and vapor pressures.
- High heat capacity and thermal conductivity.
- Excellent deposit control to help keep system clean.
- Low viscosity at operating temperatures for improved pumping efficiency.
- Excellent demulsibility and cold flow properties for smoother startups.

KYNOS HITHERM A

Heat Transfer Fluids

KYNOS LUBRICATION PRIVATE LIMITED

+91 8141800752 www.kynosoils.cominfo@kynosoils.com / sales@kynosoils.com

Typical Performance Data

Properties	HITHERM A
ISO Viscosity Grade	42
Appearance	Transparent
Density @ 15 °C, g/ml	0.87
Viscosity @ 40 °C, mm ² /s	42
Viscosity @ 100 °C, mm ² /s	6.5
Viscosity Index	102
Flash Point, °C Minimum	230
Pour Point, °C Max	-12
Thermal Conductivity @ 38 °C, (W/ m.K)	0.142
Thermal Conductivity @ 316 °C, (W/ m.K)	0.127
Heat capacity at 38 °C, KJ/Kg K	1.97
Heat capacity at 316 °C, KJ/Kg K	2.88
Vapour Pressure at 316 °C, KPa	11.44

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