

KYNOS SYNTERM

Heat Transfer Fluids

KYNOS LUBRICATION PRIVATE LIMITED

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KYNOS SYNTERM: Organic Based Heat Transfer Fluid.

SYNTERM is a synthetic organic heat transfer fluid designed for efficient liquid-phase heat transfer in both non-pressurized and indirect systems. This fluid offers excellent compatibility with seals and provides outstanding thermal and oxidation stability, ensuring a long service life.

Its formulation helps maintain clean heat exchanger systems, reducing maintenance needs and enhancing overall system efficiency. Ideal for various industrial applications, SYNTERM is a reliable choice for effective heat transfer solutions.

Applications

- Used in reactors and heat exchangers for temperature control.
- Ideal for heating applications in processing equipment.
- Employed in the production of plastic materials requiring temperature regulation.
- Suitable for systems that demand precise temperature management.
- Utilized in solar thermal applications for efficient heat transfer.
- It is recommended for use in heat transfer systems where fuel oil, gas, or electricity is used to heat a fluid, which then transfers the heat to the point of application. In closed or open systems

Benefits

- Excellent thermal efficiency and stability.
- Extended fluid life.
- Outstanding thermal and oxidation stability.
- Does not build sludge or deposits.
- Good rust and corrosion protection.
- Ease of pumping and circulation.
- Reduced consumption.

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Typical Performance Data

Properties	Test Method	SYNTHERM
ISO Viscosity Grade	ASTM D-2422	22
Density @ 20 °C, g/ml	ASTM D-1298	0.87
Density @ 100 °C, g/ml	ASTM D-1298	0.82
Viscosity @ 40 °C, mm ² /s	ASTM D-445	14-23
Carbon Residue, %	ASTM D-524	0.05
Flash Point, °C Minimum	ASTM D-92	185
Pour Point, °C Max	ASTM D-97	-40
Thermal Conductivity @ 40 °C, (W/ m.K)	ASTM D-5930	0.130
Coefficient of Thermal Expansion, per °C	ASTM D-2326	0.00073
Specific Heat @ 20 °C, kCal/kg	ASTM D-5860	0.45

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