

TEXOL

Chemical

Technical Data Sheet

Texol Texotherm™ Series

High performance heat transfer fluid

Product Description

Texotherm™ Series are high performance heat transfer fluid, formulated with highly refined paraffinic base stocks for good inherent thermal stability and long service life. They contain a range of selected additives designed to optimise oxidation resistance, rust and corrosion protection and minimise air entrainment.

Texotherm™ provides efficient, reliable performance at temperatures between -15°C and +320°C, ensuring easy start-up and clean, stable performance at elevated temperatures over extended operating periods.

Customer benefits

- Resists thermal oxidation and breakdown at sustained operating temperatures of +320°C, extending fluid life
- Efficient heat transfer means smaller pumps, reduced coil sizes, improving plant economics
- High thermal conductivity and low viscosity reduces start-up and operating energy consumption
- Low evaporation at high temperatures stops vapour lock and cavitation, cutting high pressure equipment costs

Applications and Uses

- Texotherm™ series are recommended for use as heat transfer fluids in a temperature range from -15°C up to a maximum bulk temperature of +320°C. The maximum recommended film temperature is +340°C
- Texotherm™ is recommended for a wide range of applications including the processing of asphalt, soap, plastics, waxes, paper, fibre boards and many specialities, where close temperature control is needed during manufacturing or processing
- Texotherm™ 32 is recommended for heat transfer systems operating under mild temperature conditions, where a good low temperature fluidity is required to ensure the correct flow rate during start-up

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Typical Properties

Property (Unit)	ISO 22	ISO 32	ISO 46	ISO 68	Method
Density at +15 °C	0.874	0.857	0.860	0.875	ASTM D4052
Viscosity @40°C, cSt	22	32	46	68	ASTM D445
Viscosity @100°C, cSt	3.75	5.6	6.7	8.8	ASTM D445
Viscosity Index	94	101	101	104	ASTM D2270
Flash Point, °C	>220	>230	>235	>240	ASTM D92
Auto Ignition, °C	320	320	337	345	ASTM E659
Pour Point, °C	<-25	<-21	<-15	<-12	ASTM D97

Technical Expertise

Texol experts on Texol Texotherm™ series lubricants are regionally located to respond to your needs. Whether you have a question about products, applications or regulations, Texol offers comprehensive customer and technical service.