



Gulf Therm

Premium quality heat transfer oil

Product Description

The **Gulf Therm** oil is a premium quality heat transfer oil intended for use in a closed indirect heating system. It is formulated from a highly refined base stock to provide excellent oxidation stability and resistance against thermal cracking. It possesses high specific heat and thermal conductivity to provide more rapid heat dissipation, and its ability to flow rapidly at low temperatures ensures quick circulation at start-up and reduced risk of local overheating. Although the Gulf Therm oil is thermally very stable and capable of offering extended service life without viscosity increase or deposit formation, it should be realized that the working life depends to a considerable extent on the effectiveness of the measures taken to exclude air. The Gulf Therm oil is primarily intended for use in an enclosed and sealed heating system where the maximum bulk oil temperature does not exceed 315 oC.

Features & Benefits

- Excellent thermal and oxidation stability minimises deposit formation and viscosity increase leading to extended service life and reduced downtime
- Exceptional resistance to thermal cracking and decomposition enables this oil to perform well up to a maximum bulk oil temperature of 315 oC with minimal interference with heat transfer capability
- High specific heat and thermal conductivity of this oil provides more rapid heat dissipation
- Superior low temperature fluidity ensures quick circulation at start-up and reduced risk of local over- heating
- Non corrosive to aluminum, steel, copper, brass or bronze
- Non-toxicity of this oil provides easy disposal of used oil

Applications

- Closed, indirect heating and cooling systems equipped with expansion tanks in all kinds of industrial processes operating at bulk oil temperatures up to 315 oC
- Open heating systems provided that the bulk oil temperature does not exceed 180 oC

Specifications, Approvals & Typical Properties

Gulf Therm		32
Typical Properties		
Test Parameters	ASTM Method	Test Values
Viscosity @ 40 °C, cSt	D 445	31.0
Viscosity Index	D 2270	102
Flash Point, °C	D 92	230
Fire Point, °C	D 92	255
Pour Point, °C	D 97	-12
Copper Corrosion	D 130	1b
Density @ 15°C, Kg/l	D 1298	0.868

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Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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