



Mobiltherm 594

Heat transfer Oil

Product Description

Mobiltherm 594 is a naphthenic, chlorine-free mineral heat transfer oil for use in indirect heat transfer systems. It is characterized by its exceptionally low pour point, high level of thermal stability, a low viscosity in the entire range of operating temperature and good heat transfer performance.

Features and Benefits

- Exceptionally low pour point allows use for both heating and cooling applications as well as smooth start up in winter temperatures
- High resistance against thermal cracking preventing accumulation of deposits and ensuring clean and long life of the oil filling.
- Low viscosity at operating temperature gives a high heat transfer coefficient and low friction in pipes, and therefore less energy consumption
- High initial boiling point makes use of non pressurised systems possible up to the maximum recommended inlet temperature
- Prevention of corrosion
- Low odour
- Maximum recommended operating temperature: 250°C (inlet temperature).

Applications

Heat transfer oils for closed or open, fire or electrically heated circulation systems designed according to VDI 3033 and DIN 4754.

Typical Properties

Mobiltherm 594

Viscosity, ASTM D 445

cSt @ 40°C	4,8
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cSt @ 100°C	1,5
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Pour Point, °C, ASTM D 97	-42
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Flash Point, °C, ASTM D 92	135
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Density @ 15 °C kg/l, ASTM D 4052	850
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Max. inlet temperature	250°C
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Max. bulk temperature	280°C
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Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet on (insert Internet address here). This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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