



Pacific Functional Fluids, L.L.C.
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Technical Data Sheet

Triatherm 660LP

Product Description – Triatherm 660LP is a liquid phase high temperature heat transfer fluid that provides a maximum allowable bulk outlet temperature up to 359C (660F). Triatherm 660LP is a 100% synthetic aromatic heat transfer fluid. Triatherm 660LP has outstanding thermal/oxidative stability, excellent heat transfer efficiency/cooling capacity, and solvency. Proper uses of Triatherm 660LP will provide trouble free performance and extended usage life of equipments with greatly reduced operation and maintenance time.

Triatherm 660LP has a favorable boiling point of 390C (730F), highest among all commercially available synthetic aromatics heat transfer fluids. This allows Triatherm 660LP to be used for liquid phase and non-pressurized operations. It exhibits a low pour point of -50F that allows easy start-up.

Recommended optimum use temperature range

Liquid phase: -37C (-35F) to 340C (642F)

Typical Properties

Property	Typical Analysis
Initial Boiling Point, C	390
Fire Point (ASTM E659), C	218
Autoignition temperature, C	450
Flash Point, Cleveland Open Cup, C	214
Density @ 25°C, Kg/m ³	1038

Typical product data are given. These data do not constitute a supply specification.

The data presented herein are believed to be accurate; however, Pacific Fluids shall not be liable for its content and makes no warranty with respect thereto. Because the conditions of the intended use varies and may differ from time to time and beyond our control, the recipient(s) shall verify the claims herein and verify its suitability of purpose prior to use. In no event shall Pacific Fluids be responsible for damages of any nature resulting from the use of or reliance upon the information, or the product that conforms to the specification(s)

Product Features

Proven performance - Triatherm 660LP has very high thermal stability for an organic heat transfer fluid. It combines exceptional thermal stability and low viscosity for efficient and dependable performance in liquid phase up to 660F.

Interchangeability – Triatherm 660LP is miscible and interchangeable (for top-up or design purposes) with other similarly and chemically substituted Dibenzyltoluene fluids. *It must not be used/mixed with heat transfer fluids of different chemical classes. Please contact your Triatherm sales representative for a proper recommendation.*

Low temperature considerations – Triatherm 660LP is fluid at -35F, which allows for very low start up temperatures and virtually eliminates the need for heat tracing.

Application and operation Notes

Triatherm 660LP is used in chemical processing/manufacturing, polymer production, and other industries where uniform and consistent heat transfer operations up to 660F are required.

Care must also be taken to prevent, inspect, and repair leaks from pipes, valves, etc., that may be potentially flammable, and can self ignite under sufficiently high temperatures. Good safety practice in design, maintenance and operation can circumvent the potential hazards as described.

Health, safety handling and disposal

Please consult the material safety data sheet with regard to Triatherm 660LP's health and safety handling guidelines. Triatherm 660LP does not present an appreciable health hazard when used in accordance with the necessary precautions/handling procedures given in MSDS. Although no serious pollution hazards exist, provisions must be made to prevent discharge into public waters. In addition, disposal must be in accordance with applicable Federal, State and Local regulations.

Availability – Triatherm 660LP is available in 55-gallon drums, totes, and bulk tank truck quantities.

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