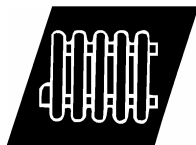


JARYTHERM[®] BT 06



Heat transfer fluid

Synthetic heat transfer fluid, made from a blend of benzyl- and dibenzyltoluene isomers.

UTILISATIONS

Heat transfer installations by fluid circulation

- **JARYTHERM[®] BT 06** is recommended for heat transfer installations using thermal fluid circulation. It is particularly suited for installations combining heating and cooling cycles such as Pharmaceutical and Specialty Chemicals industries. **JARYTHERM[®] BT 06** can operate from - 30°C up to + 280°C in the bulk (up to + 300°C in a thin film) without air contact.

SPECIFICATIONS

- ISO 6743/12 classe L-QE

ADVANTAGES

Long installation life time

Cost reduction

Long product life time

- **Good rheological properties**
Its low temperature viscosity enables **JARYTHERM[®] BT 06** to be used as a coolant. More often it allows a quick start and consequently a great versatility in use during the stop and go periods. That leads on the whole to a decrease in circulating energy.
- **Good resistance to thermal cracking**
This allows it to be used at high temperature without degradation of the fluid or deposit formation. Degradation is due to excessive heating of the boundary layer what leads to the formation of:
 - **light fractions** that gives a lower flash point and make the installation less safe, and
 - **heavy, carbon-rich fractions** that lay deposits which foul pipes and increase energy consumption.
- **Good oxidation resistance**
Oxidation resistance ensures that **JARYTHERM[®] BT 06** has a long life. It is recommended that the expansion tank should contain a nitrogen blanket.



TOTAL

TYPICAL CHARACTERISTICS	METHODS	UNITS	JARYTHERM® BT 06
Specific gravity at 20 °C	ISO 12185	kg/m ³	1006
Specific gravity at 100 °C	ISO 12185	kg/m ³	946
Kinematic viscosity at - 30 °C	ISO 3104	mm ² /s (cSt)	100
Kinematic viscosity at + 20 °C	ISO 3104	mm ² /s (cSt)	6.5
Kinematic viscosity at + 50 °C	ISO 3104	mm ² /s (cSt)	2.8
Flash point	ISO 2592	°C	144
Fire point	ISO 2592	°C	154
Pour point	ISO 3016	°C	< - 50
Boiling point		°C	+ 280
Coefficient of expansion		K ⁻¹	7.6.10 ⁻⁴
Specific heat at 30 °C		J.kg ⁻¹ .K ⁻¹	1610

Les valeurs des caractéristiques figurant dans ce tableau sont des valeurs typiques données à titre indicatif.

A few useful conversion factors:

1 Kcal/kg. °C = 4184 J/Kg. °C

1 Kcal/m.h. °C = 1.162 W/m. °C

1 mm Hg = 133 Pa -

JARYTHERM® BT 06 is registered trademark of ARKEMA.

TOTAL LUBRIFIANTS

Industrie & Spécialités

14-01-2008 (supersedes 28-11-2001)

JARYTHERM® BT 06

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This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded from www.quick-fds.com