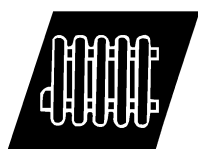


JARYTHERM[®] DBT



Heat transfer circuit

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

APPLICATIONS

Heat transfer installations by fluid circulation

- Operating from 0°C to + 350 °C in the mass (370 °C in the film) without air contact. **JARYTHERM[®] DBT** is used chiefly in the chemical and plastics transformation industries (barrel extruders).

SPECIFICATIONS

- ISO 6743/12 class L-QD

ADVANTAGES

Long life time

Working safety

- **Excellent stability to thermal cracking**
Authorizes lengthy periods without the formation of carbon deposits which can foul the circuit. Preserves the heat exchange characteristics of the installation.
- **Resistance to oxidation**
A thermal fluid must show good resistance to oxidation, even with limited exposure to oxygen in the air. **JARYTHERM[®] DBT** offers this characteristics.

CARACTERISTIQUES TYPES	METHODS	UNITS	JARYTHERM [®] DBT			
			20 °C	100 °C	200 °C	300 °C
Specific density	ISO 3675	kg/m ³	1.043	0.987	0.914	0.834
Kinematic viscosity	ISO 3104	mm ² /s	50	3	0.82	0.44
Specific heat capacity	-	kJ/kg °C	1.60	1.81	2.10	2.51
Thermal conductivity	-	W/m °C	0.128	0.121	0.113	0.105

Above characteristics are mean values given as an information.

CARACTERISTIQUES TYPES	METHODS	UNITS	JARYTHERM [®] DBT
Flash point OC	ISO 2592	°C	200
Fire point	ISO 2592	°C	230
Pour point	ISO 3016	°C	- 24
Boiling point (under 760 mm of mercury)	-	°C	380
Operating range - in the mass - in the film	-	°C °C	0 / + 350 370

Above characteristics are mean values given as an information.

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[®] DBT is registered trademark of ARKEMA.

TOTAL LUBRIFIANTS
Industrie & Spécialités

14-09-2010 (annule et remplace du 28-11-2007)

JARYTHERM[®] DBT

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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