

MAK THERMIC FLUID A

Description

MAK THERMIC FLUID A is a heat transfer fluid blended from highly refined mineral oils and high performance additives to enhance fluid's service life & ensure excellent thermal stability, providing a budget solution to heating requirements.

Application

It is ideal for a wide range of closed-to-atmosphere (inertly sealed) applications up to 250 ° C. Finds extensive use in textile manufacturing, chemical and processing plants etc, where the oil is circulated in a pumped system operating under atmospheric pressure.

Benefits

- Superior dual-stage anti-oxidant system helps in preventing deposit formation, providing clean heat exchanger internal surfaces.
- High resistance to thermal decomposition.
- Its low volatility also minimizes vapor pressure at elevated temperatures.
- Non corrosive & non toxic
- Excellent thermal conductivity & high heat transfer coefficient.

PERFORMANCE LEVEL

- Proprietary grade

Technical Specifications

Characteristics	ASTM	MAK THERMIC FLUID A
Appearance	Visual	Light yellow
Density@ 15°C, Kg/m ³	D1298	0.859
K.V at 40° C, cSt	D445	31.5
K.V at 100° C, cSt	D445	5.51
Viscosity Index	D2270	112
Pour Point, °C	D97	-18
Flash Point, (COC), °C	D92	238
Copper Strip Corrosion Test at 100°C for 3 hrs.	D130	1a
Coefficient of thermal expansion, per °C	--	0.00080
Thermal conductivity@29.5°C, cal/cm S °C	--	0.000321

All the mentioned values are typical which may vary from batch to batch.

Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept horizontally with bung position at 3'o'clock 9 'o clock position
- Barrels should be kept away from dusty or heated areas as much as possible

Health and Safety

These oils are not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet may be referred.

Advice

For any further advice on applications or otherwise please contact the nearest Bharat Petroleum Territory Office or Technical Services Department at the address given below.

Bharat Petroleum Corporation Ltd.

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