EXSYM Therm Oil 300

NS-TER-4275

Mineral heat-transfer oil

Heat transfer thermo oils

Product Description and Benefits

This heat-transfer oil is a mineral oil, based upon specially selected solvent refined base oils under addition of additives to obtain the following properties:

- a high thermal stability
- a good resistant against oxidation
- little deposit in the installation
- not corrosive

Application

This heat-transfer oil is suitable for use as heat-transfer medium in closed circulating type heat-transfer systems, which work with indirect heating and high temperatures above 100 °C.

Up till 300 °C the system will function without an inert type of gas. When the bulk oil temperature comes between 300 °C and 320 °C there has to be a slight overpressure of an inert type of gas.

Typical Analysis

Property	Unit	Typical Value
Density at 15°C	kg/l	0,873
Viscosity 40 °C	mm²/s	31,00
Viscosity 100 °C	° C	5,31
Viscosity		100
°C		210
Acid number	mgKOH/g	<0,05

The table of heat specifications depended on temperature

Temperature	Density,	Specific heat, J/kg-degC	Thermal Conductivity, W/M-degC	Kin. Viscosity
0	0.8633	1864.0	0.1312	361.20
20	0.8507	1965.0	0.1284	92.10
40	0.8379	2063.0	0.1255	41.50
60	0.8249	2159.0	0.1227	16.20
80	0.8117	2252.0	0.1198	9.20
100	0.7983	2342.5	0.1170	6.34
110	0.7915	2386.5	0.1156	4.70
120	0.7846	2430.5	0.1142	3.91
140	0.7708	2515.5	0.1113	2.78
160	0.7566	2598.5	0.1085	2.32
180	0.7422	2679.0	0.1056	1.67
200	0.7275	2756.5	0.1028	1.36
220	0.7125	2832.0	0.1000	1.14

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. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment. EXSYM check oil level design is trade mark of EXSYM MOBIL LTD. or one of it's subsidaries. **More information available:**

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