



PTT Hitemp 600

Heat Transfer Fluid

Descriptions

- PTT Hitemp 600 are high quality heat transfer fluids of superior thermal stability, produced from a highly refined paraffinic oils and contain anti-oxidation additives, which provide excellent thermal stability and long service life.

Special Properties

- Exhibit excellent thermal and oxidation stability, resist formation of sludge.
- Having low volatility, high flash point and good low-temperature flow characteristics.
- Non-corrosive and non-toxic.

Application

- Recommended bulk fluid temperature 320°C max. for closed systems and 200°C max. for opened systems.
- Can be used in heat transfer systems requiring temperature control such as dye - works, bleaching plants and plastics industries.

Typical Value

- Density @ 15 °C, Kg/m ³	878.0
- Autoignition Temperature, °C	355
- Flash Point, (COC), °C	220
- Maximum bulk temperature, °C	320
- Maximum film temperature, °C	340

Physical & Thermal Properties versus Temperature	100 °C	200 °C	300 °C
- Density, Kg/m ³	830.0	785.0	727.0
- Viscosity, cSt.	6.76	1.98	0.84
- Specific Heat, Kj/Kg °C	2.10	2.61	2.69
- Thermal Conductivity, W/m °C	0.129	0.123	0.119
- Vapor Pressure, mbar	0.0012	0.69	10.09

For more information, contact Fuel and Lubricant Department , PTT Research and Technology Institute, PTT Public Company Limited Tel 0-2537-3000 Ext 8182 and 8270 Fax 0-2537-3000 Ext 8146 และ 8199