

PTT Hitemp 750

Heat Transfer Fluid

Descriptions

- *PTT Hitemp 750* is a high quality synthetic heat transfer fluid, produced from biphenyl and diphenyl oxide 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 400 °C max. for closed systems
- Can be used in heat transfer systems requiring temperature control such as dye - works, bleaching plants and plastics industries

Typical Value

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|--------------------------------------|------|
| - Density @ 25 °C, kg/m ³ | 1056 |
| - Autoignition Temperature, °C | 599 |
| - Flash Point, Closed Cup, °C | 113 |
| - Maximum Bulk Temperature, °C | 400 |
| - Maximum Film Temperature, °C | 425 |

Physical & Thermal Properties Versus Temperature	100 °C	200 °C	300 °C
- Density, kg/m ³	994.9	907.1	806.8
- Viscosity, cSt.	0.97	0.39	0.21
- Specific Heat, kJ/kg °C	1.800	2.359	2.797
- Thermal Conductivity, W/m °C	0.1259	0.1099	0.0939
- Vapor Pressure, mbar	10	240	2380

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