

PTT Hitemp 500

Heat Transfer Fluid

| Descriptions |
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- PTT Hitemp 500 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 |
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- 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 |
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- 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 |
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| - Density @ 15 °C, Kg/m ³ | 868.0 |
| - Autoignition Temperature, °C | 350 |
| - Flash Point, (COC), °C | 212 |
| - Maximum bulk temperature, °C | 320 |
| - Maximum film temperature, °C | 340 |

| Physical & Thermal Properties versus Temperature | 100 °C | 200 °C | 300 °C |
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| - Density, Kg/m ³ | 820.0 | 762.0 | 691.0 |
| - Viscosity, cSt. | 5.23 | 1.35 | 0.62 |
| - Specific Heat, Kj/Kg °C | 2.14 | 2.63 | 2.87 |
| - Thermal Conductivity, W/m °C | 0.128 | 0.121 | 0.114 |
| - Vapor Pressure, mbar | 0.0031 | 1.27 | 83.9 |

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