



# PTT Hitemp 600 LT

## Heat Transfer Fluid

### Descriptions

- PTT Hitemp 600 LT is a high quality synthetic heat transfer fluid, produced from alkyl benzene which provides 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 316 °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

- Density @ 25 °C, kg/m <sup>3</sup>	869.8
- Autoignition Temperature, °C	375
- Flash Point, (COC), °C	210
- Maximum Bulk Temperature, °C	316
- Maximum Film Temperature, °C	345

Physical & Thermal Properties Versus Temperature	100 °C	200 °C	300 °C
- Density, kg/m <sup>3</sup>	818.1	749.2	680.3
- Viscosity, cSt.	2.70	0.75	0.36
- Specific Heat, kJ/kg °C	2.201	2.499	2.797
- Thermal Conductivity, W/m °C	0.120	0.108	0.096
- Vapor Pressure, mbar	0.00	10.0	252

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