

## POWEROIL THERM SYN 600 SYNTHETIC HEAT TRANSFER FLUID

**POWEROIL THERM SYN 600** is a Synthetic Heat transfer fluid. It is formulated from select synthetic base fluid fortified and exclusively chosen anti-oxidants and anti-sludge additives to ensure higher performance throughout its service life.

CHARACTERISTICS	POWEROIL THERM SYN 600
Appearance	Clear
Colour	1.5
Density @ 29.5 °C	0.865
Kinematic Viscosity, cSt, @ 40 °C	20
Flash point, Open, °C, Min	180
Flash point, Closed, °C	172
Fire point °C	>200
Pour point, °C, Max.	-51
TAN, mg KOH/g.	0.1
Ignition temperature °C	350
Initial boiling point °C	340
Final boiling point °C	399
Coefficient of thermal expansion (/, °C )	0.00092

The above properties are typical values and do not constitute specification of the product

### APPLICATION:

- Poweroil Therm Syn 600 is used in wide variety of heating systems of Industries such as
  - ✓ Natural Gas purification
  - ✓ Plastics Moulding process
  - ✓ Biodiesel
  - ✓ Textile
  - ✓ Pharmaceuticals & chemical & Process Industries
- Recommended for use in heat transfer systems operating with bulk oil temperature up to 300° C.

## PERFORMANCE BENEFITS:

- Long Life – It is a narrow boiling range Synthetic fluid with very high thermal and oxidation stability and hence offers long reliable service and cost effective performance when operated at maximum bulk oil temperatures of 300 °C.
- Excellent heat transfer medium due to high specific heat and good thermal conductivity, which enables more flexibility in heat transfer systems
- Absence of high pressure facilitates efficient compact units and associated space savings
- Low Temperature Pumpability – Due to its very low pour point, Poweroil Therm Syn 600 is pumpable even at – 25 °C, enabling the fluid system to start up easily
- Efficient performance in wider range of temperatures.
- Essentially Non Toxic and does not have obnoxious odour