



# HEAT TRANSFER OIL EXCEL

PSO Heat Transfer Oil Excel is blended with a highly refined hydro-treated base oil having strong inherited resistance to oxidation and thermal breakdown while operating at elevated temperatures. Superior base oil and premium additive technology provide resistance to evaporation at high temperatures during the application. The oil has high viscosity index, so that any appreciable change in viscosity does not affect heat transfer efficiency of the oil.

## Benefits

- Excellent oxidation stability ensures longer service life without deposit formation or viscosity increases.
- Excellent low temperature fluidity which helps easy starting of cold system.
- Maximum heat transfers for efficient processes.
- Excellent thermal stability and resistance to sludge formation.

## Applications

- Open system operating at temperatures up to 200 °C.
- Closed systems with inert gas sealing; operating at temperature up to 280 °C.
- Heating of reaction vessels, driers, moulding machines.
- Manufacturing process – paper, chemicals and other industries.

## Typical Characteristics\*

PROPERTIES	METHODS	TYPICAL RESULTS
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Density @ 15 °C, kg/L	ASTM D-4052	0.8588
K. Viscosity @ 40°C, cSt	ASTM D-445	32.10
K. Viscosity @ 100°C, cSt	ASTM D-445	5.54
Viscosity Index	ASTM D-2270	110
Flash Point (COC), °C	ASTM D-92	218
Pour Point, °C	ASTM D-97	-15

\*These typical characteristics mentioned are based on current mean values.

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from [lubricants.technical@psopk.com](mailto:lubricants.technical@psopk.com)