# HEAT TRANSFER OIL EXCEL

PSO Heat Transfer Oil Excel, expertly formulated with a highly refined hydro-treated base oil renowned for its robust resistance to oxidation and thermal breakdown at elevated temperatures. The superior base oil, coupled with premium additive technology, ensures remarkable resistance to evaporation during high-temperature applications. With a high viscosity index, this oil maintains consistent heat transfer efficiency without significant changes in viscosity.

## Benefits

- Provides enhanced oxidation stability that ensures extended service life of oil, preventing deposit formation and viscosity increases.
- Outstanding low-temperature fluidity facilitates easy starting of cold systems.
- Maximum heat transfer for efficient processes.
- Exceptional thermal stability and resistance to sludge formation.

## Applications

- Ideal for open systems operating at temperatures up to 200 °C.
- Suitable for closed systems with inert gas sealing, operating at temperatures up to 280 °C.
- Well-suited for heating reaction vessels, driers, and molding machines.
- Recommended for manufacturing processes in industries such as paper, chemicals, and more.

## Typical Characteristics*

| PROPERTIES | METHODS | TYPICAL RESULTS |
|---|---|---|
| ISO VG | | 32 |
| Density @ 15°C, kg/L | ASTM D-4052 | 0.8515 |
| K. Viscosity @ 40°C, cSt | ASTM D-445 | 32.4 |
| K. Viscosity @ 100°C, cSt | ASTM D-445 | 5.54 |
| Viscosity Index | ASTM D-2270 | 110 |
| Flash Point (COC), °C | ASTM D-92 | 210 |
| Pour Point, °C | ASTM D-97 | -18 |

*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

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