



PAKISTAN STATE OIL

PSO HEAT TRANSFER OIL EXCEL

PRODUCT DESCRIPTION

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.

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.

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.

PRODUCT CHARACTERISTICS*

PROPERTIES	METHOD	TYPICAL RESULTS - 32
Density @ 15 °C, Kg/liter	ASTM D-4052	0.8548
Kinematic Viscosity @ 40 ° C	ASTM D-445	32.0
Kinematic Viscosity@ 100 °C, cSt.	ASTM D-445	5.6
Viscosity Index	ASTM D-2270	114
Flash Point (COC), °C	ASTM D-92	220
Pour Point, °C	ASTM D-97	-27

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



HEALTH & SAFETY

Guidelines for health, safety and handling are available in Material Safety Data Sheet of the product which can be obtained from PSO representative.



ENVIRONMENT PROTECTION

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.



ADVICE

Advice on application not covered in this leaflet, may be obtained from PSO representative.