HEAT TRANSFER OIL

PSO Heat Transfer Oil is blended carefully with selective highly refined base oils having good thermal stability and superior additive technology to prevent thermal breakdown in service. They are intended for use in closed, open and indirect heat transfer system. They have good heat transfer efficiency with better resistance to thermal cracking and chemical oxidation.

Benefits

- Good oxidation stability ensures longer service life without deposit formation or viscosity increases.
- Good thermal stability to avoid decomposition at operating temperature.
- High-heat transfer rate with improved operating efficiency.
- Protection against corrosion.

Applications

- Recommended for use in open and closed system in line with the respective bulk oil temperatures.
- Heating of reaction vessels, driers, moulding machines.
- Manufacturing process – cement, paper, and other industries.

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS		
		32	100	460
Density @ 15 °C, kg/L	ASTM D-4052	0.8775	0.8916	0.9041
K. Viscosity @ 40°C, cSt	ASTM D-445	30.44	101.1	458.3
K. Viscosity @ 100°C, cSt	ASTM D-445	5.36	11.45	31.45
Viscosity Index	ASTM D-2270	110	100	99
Flash Point (COC), °C	ASTM D-92	202	244	272
Pour Point, °C	ASTM D-97	-6	-3	-3
Operating Temp. Limit-Closed System, °C	-	230	270	300

*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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