

PRODUCT DATA SHEET



SYNTHETIC HEAT TRANSFER FLUIDS

PALTHERM – S

PALTHERM S - LIGHT is the synthetic heat transfer fluid for use in the liquid phase for heat transfer at operating temperature ranging from 40°C to 250°C applications.

PALTHERM S - LIGHT is ideally suited for processes in which heat has to be both applied & removed. It provides improved thermal stability over its entire range of applications. With its use, thermal changes involving the formation of highly viscous or solid deposits on the walls & heat transfer fluid circuit can be eliminated / reduced even over long operating periods within the operating range, the product exhibits an excellent service life.

PALTHERM S - MEDIUM is a moderate viscosity synthetic heat transfer fluid capable of providing satisfactory service life upto a bulk oil temperature of 320°C. It offers the following advantages over mineral based fluid.

- ❖ Resists deterioration at recommended operating temperatures.
- ❖ Assures long fluid life & clean systems.
- ❖ Good heat transfer characteristics.
- ❖ Low pour point & moderate viscosity, decreases the pumping losses and power requires for circulation.

CHARACTERISTICS			
S. NO.	PROPERTIES	PALTHERM S - LIGHT	PALTHERM S - MEDIUM
1.	Appearance	Clear& bright	Clear& bright
2.	Kinematics viscosity, cSt @40°C	4.08	23.20
	@100°C	1.48	4.40
	@150°C	0.89	2.86
	@200°C	0.56	2.15
3.	Pour point, °C, Max.	-54	-42
4.	Total acid No. mg. KOH/g	0.02	0.02
5.	Flash Point, °C, Min.	120	210
6.	Thermal stability at 135°C / 168 hrs. CM (A)		
	- Appearance of oil offer test	Clear & bright	Clear & bright
	- Sludge, mg.	0.09	0.10
	- % Kinematic Viscosity change @ 40°C, cSt	Nil	Nil
	- TAN change	0.16	0.26

* The specifications are subject to variations/ development / customization.

PACKING: 210L, 50L