

XENOL HEAT TRANSFER OIL 80

XENOL HEAT TRANSFER OIL 80 is a mineral based heat transfer oil to be used in closed heating systems working in temperature range of -18°C and +325°C. It has a low vapor pressure, high oxidation and thermal stability thus making it a premium heat transfer fluid. It has very good thermal stability which formulated with paraffinic base oil and best quality additives. It can be safely used in closed system up to 325°C.

Properties

- It has high thermal stability
- The system does not create sediment preserving the structure at high temperatures.
- Retains the heat transfer capability and provides long service life
- Provides easy operation in low temperatures

Operating Manual

- Heated oil should always be circulated even after stopping the heater.
- The fire shouldn't touch the pipes directly. This could lead to quicker cracking of heat transfer oil and make it unusable.
- There must be an expansion tank in the system. The volume of oil at 300°C is 20% higher than the volume at room temperature. And the oil temperature in the tank should not exceed 60°C.
- At initial start, oil should be slowly heated until 100°C and possible water vapor should be discharged

TECHNICAL SPECIFICATIONS

XENOL HEAT TRANSFER OIL 80	Test Method	Typical Values
Color	ASTM D 1500	1,5
Flash Point, (COC), °C	ASTM D 92	Min 221
Kinematic Viscosity @ 40°C, cST	ASTM D 445	80
Viscosity Index	ASTM D 2270	98
Density @ 15°C, g/cm ³	ASTM D 4052	0,873
Pour Point, °C	ASTM D 97	Max. -18
Copper Corrosion @ 24h & 150°C	ASTM D 130	1a
Thermal Expansion Coefficient	-	0,00076 per °C
Thermal Conductivity @ 0°C, W/mk	-	0,133
Thermal Conductivity @ 340°C, W/mk	-	0,112
Specific Heat Capacity @ 340°C, kJ/kgK	-	3,00

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STORAGE

Protect from direct sunlight and rain. Store in the original closed drums and in covered areas. Storage temperature must be between (+5)-(+40)°C.

HEALTH AND SAFETY

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application. Used or waste product should not be allowed to contaminate soil or water. Used or waste product should be disposed of in accordance with local regulations. For further guidance on product Health and Safety refer to the appropriate Material Safety Data Sheet.

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