

HP HYTHERM Omega

High temperature heat transfer fluid

HP HYTherm- ω is a high performance synthetic heat transfer fluid designed to meet the demands of liquid/vapor phase systems and indirect heat transfer.

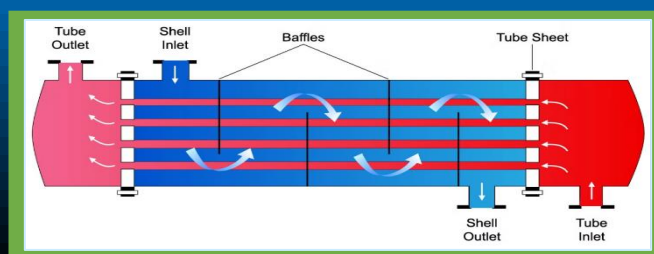
HP HYTherm- ω operating temperature is 20 to 320 °C.

HP HYTherm- ω is an excellent for use in heat transfer fluid systems, which require precise temperature control.

HP HYTherm- ω combines low viscosity and exceptional thermal stability for consistent performance.

HP HYTherm- ω is an mixture of synthetic aromatic compounds that provide heat transfer fluid flexibility performing liquid phase systems.

HP HYTHERM- ω heat transfer fluid offers outstanding high-temperature performance up to 320°C, including excellent thermal and oxidation stabilities and superior corrosion properties



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| SAMPLE | | |
|---|--------|--------------|
| Composition (w/w %) | | HP HYTherm-ω |
| Density (gm/cc) | 25 °C | 1.049 |
| | 100 °C | 0.985 |
| Viscosity (mPa-sec) | 25 °C | 3.76 |
| | 100 °C | 0.87 |
| Pour Point (°C) | | 15 |
| Flash Point (°C) | | 109 |
| Max. operating Temperature (Inert Atmosphere) (°C) | | 320 |
| Specific Heat Capacity (kJ/kg k) @100°C | | 1.746 |
| Neutralization No (mg KOH/gm) | | 0.01 |
| Thermal Conductivity (W/m-k) @25°C | | 0.2209 |
| Thermal Diffusivity (m ² /s) | | 0.6234 |
| Copper Strip Corrosion @40 °C | | 1A |
| Sulfur Content (ppm) | | 580 |
| Moisture Content (ppm) | | 95 |
| Surface Tension (Dyne/cm) | | 25.23 |
| OHTC (W/m ² -K) at 100°C | | 184 |

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Refinery



Petrochemicals



Chemicals



Cement



CST



CSP

