



HY-THERM 707

SYNTHETIC HEAT TRANSFER OIL

BEYOND SYNTHETIC®

Hy-Therm 707 is a synthetic, heat transfer fluid that is more efficient than mineral oil-based fluids. Its thermal conductivity (0.121 BTU/hr ft °F at 400°F) is 50 to 100 percent higher than many widely used heat transfer fluids. This means that heat goes in and comes out of Hy-Therm 707 much more quickly. A pound of Hy-Therm 707 can hold 30 + percent more heat with its specific heat of 0.665BTU/lb. °F at 400°F. Hy-Therm 707 can safely be used in open systems up to 400°F and in closed systems under inert gas at 700°F. Fluid life and system cleanliness can greatly be enhanced when Hy-Therm 707 is used with inert gas (nitrogen, etc.) blanketing. Its low temperature fluidity eliminates the need to drain fluid during cold weather shutdowns, a common problem with many heat transfer fluids.

System using Hy-Therm 707 are both safer and cleaner. Hy-Therm 707 higher flash as up to 25% more heat is removed than comparable petroleum heat transfer oils. Systems remain cleaner as Hy-Therm 707 minimizes carbon deposits assuring superior heat transfer efficiency.

Hy-Therm 707 is environmentally responsible. All components comply with TSCA, EPA and OSHA requirements.

Typical Properties*	Method	
Viscosity	D-445	
cSt @ 40°C		32.1
cSt @ 100°C		6.1
Viscosity Index	D-2270	141
Flash Point, °F/°C	D-92	496/258
Pour Point, °F/°C	D-6892	-38/-39
Fire Point, °F/°C		516/269
Specific Gravity		0.8380

**Properties are typical and may vary.*