THERMINOL® 66 HEAT TRANSFER FLUID

...for use in liquid phase between 0-650°F without system pressurization

TECHNICAL BULLETIN (T-66)

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Organic Division / 800 N. Lindbergh Blvd. / St. Louis, Missouri 63166

FUNCTIONAL FLUIDS Monsanto

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Introducing Therminol® 66

Therminol® 66 is a heat transfer fluid for use in liquid phase between 0-650°F without system pressurization. The low pour point of this product permits start up at fluid temperatures as low as 0°F.

To minimize fluid oxidation, systems with Therminol 66 should be blanketed with an inert atmosphere. A system relief valve should also be provided. Therminol 66 is ideally suited to replace organic fluids that have lower boiling points and must operate under system pressure at 650°F.

Therminol 66 can support combustion and should not be confused with Monsanto's Therminol FR fire-resistant fluids.

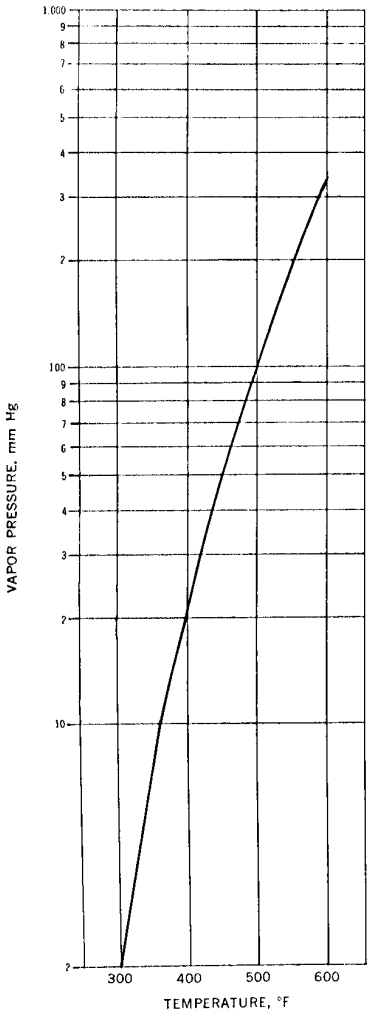
TYPICAL PROPERTIES OF THERMINOL® 66

Composition	Modified terphenyls
Appearance	Oily liquid
Color	Practically colorless
Odor	Faint, characteristic
Pour Point	−26° — −28°C. −15° — −18°F.
Flash Point	168° — 180°C. 334° — 356°F.
Flame Point	190° — 202°C. 374° — 392°F.
Autoignition Temp.	364°C. 705°F.
Coefficient of Expansion	0.000741 cc/cc/°C.
Boiling Range	340° — 396°C 644° — 745°F

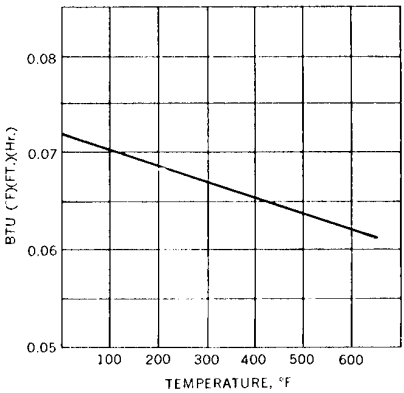
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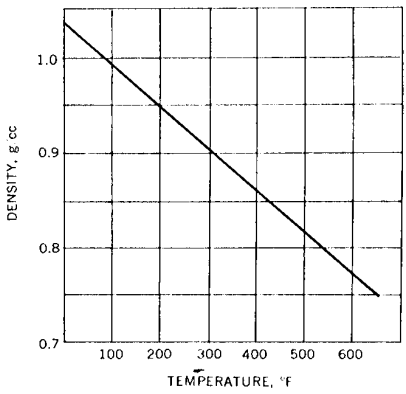
VAPOR PRESSURE



THERMAL CONDUCTIVITY
(calculated)



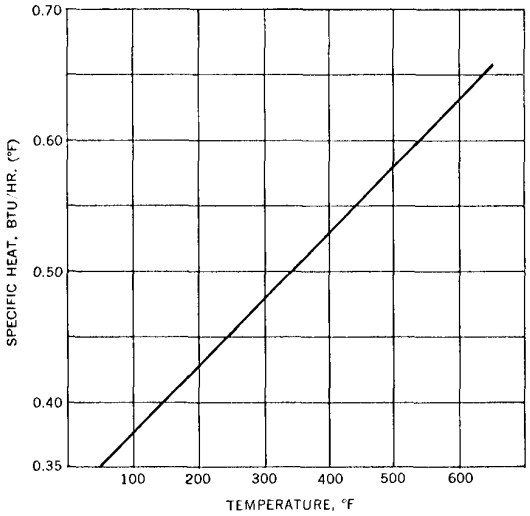
DENSITY



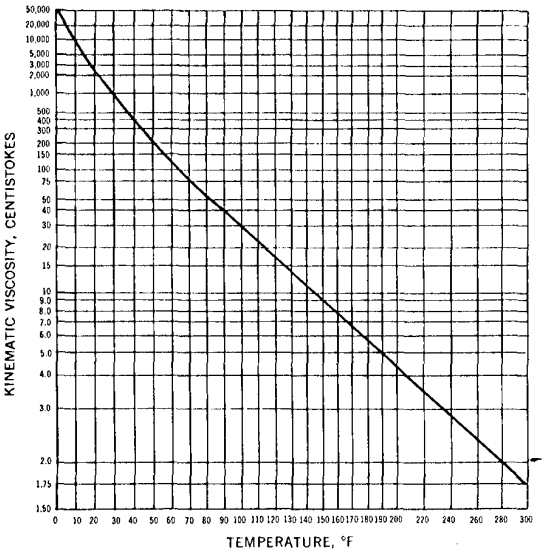
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SPECIFIC HEAT



KINEMATIC VISCOSITIES



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