



TARMOND THERMA SERIES

HEAT TRANSFER OIL

Product Description:

THERMA SERIES are high-performance, low-viscosity oils of high resistance to oxidation and thermal cracking. Created with the high-quality additive package to use in the closed heat transfer system with forced circulation, operating up to 300 °C bulk temperature. THERMA SERIES are optimally suited for use in the indirect heating of reactors, polymerization and distillation systems, processing machines and driers, as well as heat exchangers in processing systems and in systems for heat recovery. The film temperature should not exceed 320 °C.

Benefits:

- ❖ Long-life products for maximum economy
- ❖ Excellent circulation efficiency and thermal stability
- ❖ High resistance to oxidation and protects against corrosion
- ❖ Extremely low coking
- ❖ It has high heat transfer properties and thermal permeability at all temperatures
- ❖ Minimizes residue formation and provides clean systems

Technical Data:

TARMOND THERMA SERIES	Test method	32	46
Colour	Visual	Clear/Yellowish Brown	Clear/Yellowish Brown
Density at 20 °C gr/cm ³	ASTM D 1298	0.870	0.874
Viscosity at 40 °C, cSt	ASTM D 445	32	46
Pour Point °C	ASTM D 97	-33	-30
Working temperature of oil film		320°C	320°C
Heat transfer coefficient, W/m ² *K		0.12	0.12
Boiling point, °C	DIN 51582	>350°C	>350°C
Flash point °C	ASTM D 92	220	223

*Above values are the typical values of the products and may vary with each batch.