



Alpha Heat Transfer Series

TECHNICAL SPECIFICATIONS

Product Description

Alpha Heat Transfer Oils are mineral oil-type transfer oils (ISO 32,46,68) for use in heat transfer systems with forced circulation.

Their excellent thermal and oxidation stability promotes long service life and clean heat exchanger systems. They are formulated with premium base oil technology.

Alpha Heat Transfer Oils are noncorrosive, low odor level, excellent seal compatibility fluids that can absorb heat quickly and transport it to the material or fluid requiring heat.

Applications

Alpha Heat Transfer Oils are recommended for use in heat transfer systems where fuel oil, gas, or electricity is used to heat a fluid, which then transfers the heat to the point of application.

Specifications

HEAT TRANSFER OILS	TEST METHODS	THERMO 32	THERMO 46	THERMO 68
ISO	ASTM METHOD	32	46	68
Density @ 15°C, KG/m3	D 1298	829	878	885
APPEARANCE	VISUAL	CLEAR	CLEAR	CLEAR
Flash point	D 92	234	234	252
Pour point °C	D 97	-54	-15	-12
Viscosity @ 40°C, mm2/s	D 445	30.4	46.5	69.8
Viscosity @ 100°C, mm2/s	D 445	5.91	7.1	8.75
Viscosity Index	D 2272	135	98	96

Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at : www.alphaenergy.com.eg