

ALPHA-6 FLUID

Synthetic Heat Transfer Fluid

for Transformers, Switchgear, and Industrial Processes

Alpha-6 Fluid is a dielectric and heat transfer oil for special applications where operating temperatures are very high or ambient temperatures are very low. Made with 100% synthetic hydrocarbon oils, it is compounded with the most advanced antioxidants available. Providing excellent heat transfer characteristics and low-temperature properties, it has outstanding oxidation resistance.

Biodegradable and universally compatible with mineral transformer oil and standard insulation materials, Alpha-6 Fluid cools equipment better than other fluids. Due to its high quality, advanced base oils and oxidation inhibitors it provides longer service life at high temperatures.



- ✓ Crystal clear color no odor
- ✓ High dielectric strength
- ✓ Highly efficient cooling properties
- ✓ Nontoxic
- ✓ Superior switching medium
- ✓ Compatible with mineral oil and PCB

Applications

- Excels where operating temperatures need to be controlled, in transformer-rectifier sets, load-break and tapchangers
- Chosen for use in overloaded transformers and viscosity-dampened switchgear
- Exceptional heat transfer characteristics insures equipment maintains low operating temperature
- Switchgear and tap changers mounted in transformers
- Chosen for use in industrial heat transfer processes due to its stable, clean base characteristics and higher flash point

TYPICAL CHARACTERISTICS - Compared with ASTM D3487, Guide for Mineral Insulating Oils



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Characteristic & ASTM method	Alpha-6	ASTM Spec
Flash Point, D92, °C	246	145 max
Viscosity, D88, cSt. @ 100 °C	4.1	3.0 max
Specific Gravity, D1298, 20 °C	0.815	0.91 max
Pour Point, D97, °C	-57	-40 max
Appearance	Clear	Clear
Dielectric Breakdown, D1816, kV	58	35 min
Dissipation Factor, D924, 100 °C, %	0.01	0.30 max
Biodegradability (per BOD tests)	55-60%	---

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