

# OPTICOOL FLUID

- ✓ **Cools more efficiently than other fluids**
- ✓ **Superior heat transfer capabilities**
- ✓ **Higher oxidation and inhibitor stability**
- ✓ **Compatible with Mineral Oil**



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## Highly Efficient Synthetic Heat Transfer Fluid for Cooling Electronics and Transformers

OptiCool Fluid is a highly efficient dielectric heat transfer fluid used to cool electrical equipment. OptiCool has excellent heat transfer characteristics and a very high dielectric strength.

Containing advanced oxidation inhibitors, it provides longer service life at high temperatures. Compared to standard transformer oil, OptiCool biodegrades faster and has better heat transfer characteristics. Gallon for gallon, OptiCool Fluid is almost 10% lighter than mineral oil.

OptiCool's enhanced electronic cooling performance allows equipment to be smaller in size and minimize the operating temperatures in any equipment.



### Used to Lower Temperatures in Applications:

- Chemical process cooling
- Immersion of electronic circuit boards
- Cooling of high power vacuum tubes
- Cooling of RF, VHF and UHF transmission equipment

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

Characteristic & ASTM method	OptiCool Fluid	Transformer Oil
Flash Point, D92 °C	185	145 min
Viscosity, D88, cSt. @ 100 °C	2.64	3.0 max
Specific Gravity, D1298, 20 °C	0.831	.91 min
Pour Point, D97, °C	-39	-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)	95%	Yes