

OMEGA FLUID

Planet Saving Solutions

- High dielectric strength
- High oxidation and heat stability
- Excellent switching medium and non-toxic
- Compatible with mineral oil and PCB Fluids

Transformer Mineral Oil ANSI Standard

Omega Fluid is conventional transformer oil from DSI. Omega fluid meets ANSI specifications for Type II inhibited transformer oil, and is designed to be used in all types of electrical equipment.

The manufacturing process for Omega Fluid uses two proprietary refining methods that reduce impurities and impart excellent performance characteristics. Omega has exceptional oxidation stability, enhanced low temperature behavior and improved electrical characteristics. Omega Fluid is available worldwide.

Omega Fluid is made from carefully selected petroleum oils. This guarantees compatibility with other dielectric fluids, including other mineral oils, Alpha-1 Fluid, and fluids containing PCBs or solvents. Omega Fluid meets all applicable ASTM and IEEE Standards mineral dielectric fluids.



Applications

- Any oil-cooled electrical application
- Excels in transformer-rectifier sets, load break switches and tap changers
- Chosen for use in power and distribution transformers
- Meets ANSI, ASTM and IEEE Standards

**ISO
9001:2000
Certified**

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

| <i>Characteristic & ASTM method</i> | <i>Omega Fluid</i> | <i>ASTM Spec</i> |
|---|--------------------|------------------|
| Flash Point, D92, °C | 250 | 145 min |
| Viscosity, D88, cSt. @ 100 °C | 3.9 | 3.0 max |
| Specific Gravity, D1298, 20 °C | 0.83 | 0.91 max |
| Pour Point, D97, °C | -65 | -40 max |
| Appearance | Clear | Clear |
| Dielectric Breakdown, D1816, kV | 61 | 56 min |
| Dissipation Factor, D924, 100 °C, % | 0.01 | 0.30 max |
| Acid Value, D664, mg KOH/g | 0.01 | 0.03 max |
| Oxidation Inhibitor Content | .15 % w/w | N/A |

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