

PTT HIVOLT PLUS

Inhibited Transformer Oil (Mineral Insulation Oil)

Description

- **PTT HIVOLT PLUS** : is an inhibited type insulating oil for power transformers, produced from high quality paraffinic oil and anti-oxidant additives, to prolong oil service life and exhibits high dielectric strength.

Special Properties

- Provides thermal stability, low volatility, high flash point and good flow characteristic.
- Minimizes insulating oil oxidation reaction and sludge formation.
- Compatibility with wire coating material.

Application

- Used to transfer heat in transformers, switch gears and other electric equipment.
- Suitable for use in oil filled capacitors, circuit breakers, switches and other equipment.

Reference Standard

- IEC 60296 : 2012 (Inhibited)
- IEC 61125 : 1992, Method C (Oxidation Stability)

Typical Values

- Appearance	Bright & Clear
- Density @ 20 °C	0.8340
- Viscosity @ 40 °C, cSt	10.35
- Flash Point, PMCC, °C	175
- Pour Point, °C	-51
- Water Content, mg/kg	10
- Breakdown Voltage (as received), kV	61
- Breakdown Voltage (after filtering), kV	91
- Dielectric Dissipation Factor (DDF) at 90 °C	0.0008
- Total Sulphur Content (before oxidation test), %	0.00032
- Oxidation Stability According to IEC 61125:1992 (Method C)	
- Total Acid Number, mg KOH/g	0.01
- Sludge, %	0.02
- Dielectric Dissipation Factor (DDF) at 90 °C	0.0065

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