

PTT HIVOLT 99 PLUS

Inhibited Transformer Oil (Mineral Insulation Oil)

Description

- *PTT HIVOLT 99 PLUS* : is an inhibited type insulating oil for transformers, produced from high quality naphthenic 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	Brigth & Clear
- Density @ 20 °C	0.8770
- Viscosity @ 40 °C, cSt	7.6
- Flash Point, PMCC, °C	144
- Pour point, °C	-63
- Water Content, mg/kg	<20
- Breakdown Voltage (as received), kV	40-60
- Breakdown Voltage (after filtering), kV	>70
- Dielectric Dissipation Factor (DDF) at 90 °C	<0.001
- Total Sulphur Content (before oxidation test), %	<0.01
- Oxidation Stability According to IEC 61125:1992 (Method C)	
- Total Acid Number, mg KOH/g	0.04
- Sludge, %	<0.02
- Dielectric Dissipation Factor (DDF) at 90 °C	0.03

For more information, contact Lubricants Technical Services Division, PTT Public Company Limited. Tel: 02-239-7847