



INDUSTRIAL ELECTRO



DESCRIPTION

ELECTRO is a premium quality, pure hydrocarbon oil, formulated with special highly refined naphthenic base oils for the lubrication of high voltage transformers and switchgears. It imparts high resistant to oxidation that prevents sludge and acid formation and it is corrosive sulphur-free. It surpasses the strict requirements of the IEC 60296 2012.

APPLICATIONS

ELECTRO is intended for use as a transformer, switchgear and circuit breaker oil.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
High oxidation resistance.	Low sludge formation.
Low viscosity.	Complements insulation as it fills the clearances of insulation material. Prevents the entrance of humidity.
Excellent cooling properties.	Reduces the temperature of the transformer.
It does not contain PCB's.	Environmental friendly.
Low pour point.	Wide range of applications.
High dielectric strength.	Low power-loss.

PHYSICAL-CHEMICAL CHARACTERISTICS

ELECTRO	METHOD	
Appearance	Visual	B&C
Density @ 20°C, g/cm ³	ASTM D1298	0,885
Viscosity, Kinematic (cSt) 40 ⁰ C	IEC 3104	9,969
Viscosity, Kinematic (cSt) -30 ⁰ C	IEC 3104	960
DDF@ 90 °C	IEC 60247	<0.001
Water content, ppm	IEC 60814	15
TAN, mgKOH/g	IEC 62021-1	<0,01
Flash point, COC, °C	ISO 2719	152
Breakdown voltage (untreated), kV	IEC 60156	57
Pour point, °C	ISO 3016	-45
Corrosive sulphur	DIN 51353	Non-corrosive
PCB	IEC 61619	Absence

The above mentioned characteristics represent mean values.

SPECIFICATIONS

B.S. 148 Class I; IEC 296 Class I, 296 Class II, 60296 Ed. 4 (2012)