

LUBRICANTS FOR INDUSTRIAL USE

CEPSA ELEKOIL U-HV

DESCRIPTION

Uninhibited dielectric insulating oil which is manufactured with highly refined naphthenic base oils.

PRODUCT APPLICATIONS

- Specially recommended for use as an insulating or cooling fluid in all types of sizes and power electrical transformers windings.

PRODUCT PERFORMANCE

- High dielectric rigidity complying with the furthest advanced standards.
- Excellent oxidation and chemical stability reducing the presence of deposits, avoiding windings insulation attacks or electrical elements.
- Low value of delta angle tangent minimizing dielectric losses.
- Low viscosity provides a high evacuation heating capacity, ensuring an adequate refrigeration and circulation at low outside temperatures.
- This product is treated before packaging to reduce humidity.
- Polychlorinated biphenyls (PCB)-free.

SPECIFICATIONS

- IEC 60296 Ed. 5 (2020), type B "TVBU"

TYPICAL CHARACTERISTICS

CHARACTERISTICS	UNITS	METHOD	CEPSA ELEKOIL U-HV
Appearance	-	-	Clear and free from sediments
Density at 20°C	kg/L	ISO 12185	Max. 0.895
Flash Point	°C	ISO 2719	Min. 135
Pour Point	°C	ISO 3016	Max. -40
Kinematic viscosity at 40°C	mm ² /s	ISO 3104	Max. 12
Kinematic viscosity at -30°C	mm ² /s	ISO 3104	Max. 1800
Acidity	mg KOH/g	IEC 62021	Max. 0.01
Breakdown voltage:			
Untreated oil	kV	IEC 60156	Min. 30
Treated oil	kV		Min. 70
Dielectric dissipation factor (DDF) at 90°C	-	IEC 60247	Max. 0.005
Oxidation Stability (164 h, 120°C):			
Total acidity	mg KOH/g	IEC 61125 C	Max. 1.2
Sludge	% p/p		Max. 0.8
DDF (Delta TAN) at 90°C			Max. 0.50
Corrosive sulphur	-	DIN 51353	Non-corrosive
Metal passivator additives	-	IEC 60666	Not detectable
PCA	% p/p	IP 346	Max. 3
PCB	mg/kg	IEC 61619	Not detectable

HEALTH & SAFETY AND ENVIRONMENT

Health, safety, and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions, and First Aid measures together with environmental effects and disposal of used products.