

Lubricants for industry.

# Elekoil UHV



Non-inhibited dielectric insulating fluid.

## > Use

- Manufactured with highly refined naphthenic base oils
- Especially recommended for use as an insulating fluid and a coolant in the winding of electric transformers of all sizes and power, in an oil bath.

## > Benefits

- High dielectric stiffness complying with the strictest of standards.
- Excellent chemical stability and resistance to oxidation, reducing the presence of deposits that can attack the insulation of the windings or electrical elements where used.
- Low dielectric losses due to the low value of its delta angle tangent.
- Its low viscosity allows for a high capacity to evacuate heat, guaranteeing adequate cooling and circulation even in low temperatures.
- Absence of moisture thanks to the product's treatment process prior to its packaging.
- Free from polychlorinated biphenyls (PCB).

## > Specifications

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

## > Physical and chemical properties

Characteristic	Units	Method	Elekoil UHV
Appearance	-	-	Transparent and free of 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 <sup>2</sup> /s	ISO 3104	Max. 12
Kinematic viscosity at -30°C	mm <sup>2</sup> /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 loss factor (DDF) at 90°C	-	IEC 60247	Max. 0.005
Oxidation stability (164 h, 120°C):	-	-	-

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.

Total acidity	mg KOH/g		Max. 1.2
Sludge	% p/p	IEC 61125 C	Max. 0.8
DDF (TAN delta) at 90°C	-		Max. 0.50
Corrosive sulfur	-	DIN 51353	Non-corrosive
Passive additives	-	IEC 60666	Non-detectable
PCA	% p/p	IP 346	Max. 3
PCB	mg/kg	IEC 61619	Non-detectable

### ➤ Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.