

Description

Light oil of a naphthenic nature specially recommended for use as an insulating fluid in electrical equipment. Pure mineral oil with a highly refined base and very resistant to oxidation, manufactured from treated bases that ensure the absence of solid matter, polar compounds and products that precipitate at low temperatures. Its manufacturing process has an extremely rigorous control, extending to its packaging, in which special precautions are taken to ensure the total absence of humidity, whose presence would be incompatible with the high dielectric power required.

It is specially suited for transformers, circuit breakers, rheostats, etc. In general, it can be used in all kinds of electrical devices that need an oil bath acting as a dielectric or cooling agent.

Properties

- High dielectric power.
- Great heat evacuating capacity.
- High oxidation stability.
- Insignificant dielectric loss (Tg δ).
- Absence of dampness and solids in suspension.
- Minimal formation of sludge during use.
- Low aromatic content.
- Totally free of PCBs and PCTs.

Quality levels

- IEC 60296:2012, U-type
- ASTM-D-3487 Type I
- BS-148 Class II (not inhibited)

Technical specifications

	UNIT	METHOD	VALUE
Kinematic viscosity at 40 °C	cSt	ASTM D 445	9.6
Kinematic viscosity at -30 °C	cSt	ASTM D 445	940
Density at 20 °C	g/mL	ASTM D 4052	0.871
Flash point, minimum	°C	ASTM D 92	150
Pour point, maximum	°C	ASTM D 97	-51
Breakdown Voltage, untreated, minimum	kV	UNE EN 60156	40
Dielectric loss factor at 90°C, maximum	--	UNE EN 60247	0.00075
Interfacial tension, minimum	mN/m	ASTM D 971	45
Oxidation, sludge	% weight	IEC 61125C	0.097
Oxidation, dielectric loss factor at 90 °C	--	IEC 61125C	0.055
Oxidation, total acidity	mg KOH/g	IEC 61125C	0.31

The above mentioned characteristics are typical values and should not be considered product specifications.

A safety data sheet is available on request.

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