



MAKER ELECTRA 2X

Description

Inhibited dielectric mineral oil formulated with hydrogenated base oils. Especially recommended for use as an insulation fluid in electrical equipment.

Main applications

Any type of contamination (humidity, particles, etc.) can negatively affect the properties of the product. Special attention must be paid to avoid polar contaminants.

Properties

- High dielectric strength
- Excellent cooling properties
- High oxidative stability and resistance to deposit formation
- Sulphur content below usual detection limits

Quality levels, approvals and recommendations

- EDF*
- CSA-C50 Class A Type IV
- ASTM D3487 type II
- IEC 60296 type B <<STANDARD GRADE>>

*Formal approval

Technical specifications

	UNIT	METHOD	VALUE
Kinematic viscosity at 40 °C	cSt	ASTM D445	8.90
Kinematic Viscosity at -30 °C	cSt	ASTM D445	396
Density at 20 °C	g/mL	ASTM D4052	0.826
Flash point	°C	ASTM D93	176
Pour point	°C	ASTM D97	- 60
Breakdown voltage, untreated	kV	UNE EN 60156	63
Dielectric loss factor at 90 °C		UNE EN 60247	0.0006
Oxidative stability, 500 h:			
- Total sludge	% in weight	IEC 61125	<0.01
- Dielectric dissipation factor at 90 °C		IEC 61125	0.00052
- Total acidity	mg KOH/g	IEC 61125	0.10

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