



Description

Inhibited dielectric oil for special applications. Formulated with isoparaffinic base stock highly hydrogenated. Recommended for use in electrical equipment when high oxidation resistance and very low sulphur content is required.

Properties

- Excellent cooling properties
- High oxidation stability and high dielectric breakdown voltage
- High resistance to sludge and deposit formation
- Very low sulphur content

Quality levels, approvals and recommendations

- ASTM D3487 type II
- IEC 60296 type A <<HIGH GRADE>>

Technical specifications

	UNIT	METHOD	VALUE
Water content	ppm	ASTM D6304	9.2
Oxidation stability - Dielectric dissipation factor at 90 °C	-	IEC 61125	0.0005
Oxidation stability - Soluble acidity	mg KOH/g	IEC 61125	0.08
Oxidation stability - Total acidity	mg KOH/g	IEC 61125	0.10
Oxidation stability - Total sludge	% in weight	IEC 61125	<0.01
Dielectric loss factor at 90 °C	-	IEC 60247	0.00012
Appearance	-	Visual	B & T
Density at 20 °C	g/cm ³	DIN 51757-4	0.825
Kinematic viscosity at 40 °C	cSt	ASTM D445	8.74
Kinematic Viscosity at -30 °C	cSt	ASTM D445	457.98
Flash point, closed cup	°C	ASTM D93	175
Freezing point	°C	ASTM D1177	- 65
Acidity index	mg KOH/g	IEC 62021	<0.01
Antioxidant additives	% in weight	IEC 60666	0.3
Corrosive sulphur	-	IEC 62535	Non-corrosive
DBDS	mg/kg	IEC 62697-1	n. d. (< 5)
Dielectric Breakdown Voltage (Treated)	kV	IEC 60156	>70
Dielectric Breakdown Voltage (Untreated)	kV	IEC 60156	65



Technical specifications

	UNIT	METHOD	VALUE
Furfural content	mg/kg	IEC 61198	<0.05
Interfacial tension	mN/m	ASTM D971	54
PCA content	% in weight	IP 346	Undetectable
PCB content	% in weight	IEC 61619	Undetectable
Stray gassing (Air, Cu): Ethane	µL/L	ASTM D7150	3
Stray gassing (Air, Cu): Hydrogen	µL/L	ASTM D7150	3
Stray gassing (Air, Cu): Methane	µL/L	ASTM D7150	2
Total sulphur content	%	ASTM D2622	0.0001

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