

DESCRIPTION

Di-Elect X-ISOL 22 is a non-inhibited transformer oil compliant with IEC 60296, Edition 4.0. It has been developed and formulated to provide excellent resistance to oil degradation and good oxidation stability due to its natural inhibitors. This contributes to the extension of transformer service life while reducing maintenance requirements.

APPLICATION

Di-Elect X-ISOL 22 is specifically designed for use in oil-filled electrical equipment, including power and distribution transformers, rectifiers, circuit breakers, and switchgear.

The product meets the requirements of IEC 60296 Edition 4.0 for non-inhibited transformer oils and is classified as a standard quality grade.

Di-Elect X-ISOL 22 is rigorously tested and successfully passes the following corrosion tests:

- ASTM D1275 méthode B
- IEC 62535
- DIN 51353

CLIENT BENEFITS

- Excellent thermal dissipation properties
- High oxidation stability
- Very good low-temperature performance
- High dielectric strength

TYPICAL CHARACTERISTIC

These values are typical of current production. However, Pétro Baraka reserves the right to modify certain characteristics in accordance with the product's conformity to its specifications.

Property	Unit	Test Method	Spec. Limits (MIN / MAX)		Typical Data
			MIN	MAX	
1- FONCTION					
Viscosité, 40°C	mm ² /s	ISO 3104		12.0	10.0
Viscosité, -30°C	mm ² /s	ISO 3104		1800	1000
Point d'écoulement	°C	ISO 3016		-40	-48
Teneur en eau	mg/kg	IEC 60814		30	<20
Tension de claquage (Avant traitement)	kV	IEC 60156	30		40-60
(Après traitement)	kV		70		>70
Densité, 20°C	kg/dm ³	ISO 12185		0.895	0.870
DDF à 90°C		IEC 60247		0.005	<0.001
2- Raffinage/stabilité					
Apparence		IEC 60296	Clair, exempt de sédiments		Conforme
Acidité	mg KOH/g	IEC 62021		0.01	<0.01
Tension interfaciale	mN/m	EN 14210	40		45
Soufre corrosif		DIN 51353	Non corrosif		Non corrosif
Soufre potentiellement corrosif		IEC 62535	Non corrosif		Non corrosif
Soufre corrosif (ASTM D 1275B)		ASTM D 1275B	Non corrosif		Non corrosif
DBDS	mg/kg	IEC 62697-1		Non détectable	Non détectable
Antioxydant	wt %	IEC 60666		Non détectable	Non détectable
Additifs passivateurs métalliques	mg/kg	IEC 60666		Non détectable	Non détectable
2-Furfural et composés apparentés Contenu aromatique	mg/kg	IEC 61198		0.05	<0.05
Aromatic content	%	IEC 60590			9
3- Performance					
Stabilité à l'oxydation à 120°C, 164 h		IEC 61125 C			
Acidité totale	mg KOH/g			1.2	0.50
Boue	wt %			0.8	0.15
DDF à 90°C (Performance)				0.500	0.080
4- Hygiène, Sécurité et Environnement (HSE)					
Point d'éclair, PM	°C	ISO 2719	135		152
PCA	wt %	IP 346		3	<3
PCB		IEC 61619	Non détectable		Non détectable

Di-Elect X-ISOL²²

HUILE ISOLANTE
ÉLECTRIQUE

STORAGE CONDITIONS

Do not store products at temperatures above 60°C. It must be stored away from direct sunlight, intense cold and external temperature fluctuations. If possible, the packaging should never be exposed to weather. Otherwise, the drums shall be placed horizontally, so as to avoid contamination by water and to preserve the product label.

AVAILABILITY

200L

Availability: Available in 200L

Di-Elect X-ISOL²²

Pétro
Baraka

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