



PRODUCT DATA SHEET



EKO INSULATING OIL

Transformer oil with antioxidant additive (inhibited)

DESCRIPTION

EKO INSULATING OIL is a high quality naphthenic insulating oil reinforced with antioxidant additive (inhibited), suitable for oil switches and high voltage transformers.

EKO INSULATING OIL presents high oxidative stability and excellent dielectric properties. It provides very satisfactory heat transfer.

The presence of the antioxidative additive increases the product's service life in applications where there is significant air exposure.

SPECIFICATIONS

IEC 60296:2012, special applications, Corrosive tests: IEC 62535, ASTM 1275 method B and DIN 51353.

TYPICAL CHARACTERISTICS

Typical characteristics	Units	Methods	EKO INSULATING OIL
Density at 20°C	g/ml	ISO 12185	0.875
Viscosity at 40°C	cSt	ISO 3104	9.2
Flash point (PM)	°C	ISO 2719	141
Pour Point	°C	ISO 3016	-65
Acidity (TAN)	mg KOH/g	IEC 62021	0.01
Corrosive sulphur		DIN 51353	Non corrosive
Sulphur content	% wt	ISO 14596	0.008
Antioxidants (IEC 60666)	% wt	IEC 60666	0.37
Water content	mg/kg	IEC 60814	13
Dielectric Dissipation Factor (DDF) at 90°C		IEC 60247	0.001
Interface (surface) tension	mN/m	ASTM D 971	48
Dielectric strength			
Before processing	kV	IEC 60156	57



PRODUCT DATA SHEET



After processing	kV	IEC 60156	73
Oxidative Stability at 120°C, 500h			
Total acidity	mg KOH/gr	IEC 61125C	0.01
Sediment (sludge)	% wt	IEC 61125C	0.02
DDF at 90°C		IEC 61125C	0.013
PCA content	%	BS 2000 Part 346	<3
PCB content		IEC 61619	Not detected

HEALTH AND SAFETY

Protect the environment while disposing of used product. Used lubricants should be collected at specific points to ensure they do not pollute the environment. Do not mix with solvents, brake fluids, antifreeze and water, to allow for proper handling.

Issue 3, 3 January 2018

This data sheet provides basic information on the product as at the date of drafting. For further information regarding applications, please contact EKO ABEE Technical Support, tel. +30 210 5509 511 and +30 210 7725 418. Advice on safe handling is provided in the Safety Data Sheet.