



PRODUCT DATA SHEET

Transformer Oil

CIM ULTRA TRANSFORMER OIL

Overview

CIM ULTRA TRANSFORMER OIL is un-inhibited highly refined naphthenic oil specifically manufactured for use in electric transformers and switchgears as an insulating and heat transfer medium.

APPLICATION

CIM ULTRATRANSFORMER OIL conforms to B.S. 148/1984 and IEC Specification 296 (82) and is also used as an insulating and cooling medium where oil of high thermal and oxidation stability is required. It is also suitable where good gas absorbing properties are necessary like transformer oil immersed

switchgear, circuit breakers etc. CIM ULTRA TRANSFORMER OIL meets class I and class II of BS 148, SANS 555 Part 2 and IEC 296 specification.

OUTSTANDING BENEFITS

CIM ULTRA TRANSFORMER OIL has the following benefits:

- High Dielectric strengths
- Very low pour point
- Free from acid and corrosive Sulphur
- Compatible with transformer construction material

TECHNICAL DATA PROPERTIES	UNITS	VALUE	TEST METHOD
Appearance	-	Bright & Clear	Visual
Specific Gravity @ 15 °C	-	0.886	ASTM D-4052
Viscosity @ 40°C @ -30°C	mm ² /s mm ² /s	9.0 1180	ASTM D-445 ASTM D-445
Flash Point COC	°C	130	ASTM D-93
Pour Point	°C	-45	ASTM D-97
Dielectric Dissipation Factor	At 90 °C	<0.001	IEC 247
Interfacial Tension	mN/m	49	ISO 6295
Dielectric Strength	Before treatment, KV	40-80	IEC 156
(Break Down Voltage)	After treatment, KV	>70	IEC 296
Neutralization Value	Mg KOH/g	0.15	ASTM D974
Sludge	wt%	0.02	-
Water Content	ppm	<20	ASTM D1533
Hydrogen	mm ³ / min	< +5	IEC 628 (A)

CIM Ultra Transformer Oil

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