

## TECHNICAL DATA SHEET

### TEXOL Transformer Oil IEC 60296:2012 (Naphthenic - Uninhibited)

Performance Standards:  
As per IEC 60296-Naphthenic Uninhibited

	Characteristics	Test Method	Specification
	<b>1-Function:</b>		
1	Color	ASTM D 1500	-
2	Kinematic Viscosity @40 °C mm <sup>2</sup> /sec @ (-) 30°C mm <sup>2</sup> /sec	ISO 3104 ISO 3104	Max.12 Max. 1800
3	Pour Point °C	ISO 3016	Max. (-) 40
4	Water Content (PPM)	IEC 60814	Max. 30 mg/kg for bulk supply Max. 40 mg/kg for supply in Drum
5	Breakdown Voltage	IEC 60156	Min. 30 kV as delivered Min.70 kV after lab treatment
6	Density @20°CKG/dm <sup>3</sup>	ISO 3675 OR ISO 12185	0.895 MAX
7	Density @29.5CKG/dm <sup>3</sup>	ISO 3675 OR ISO 12185	-
8	DDF @ 90 °C	IEC 60247 OR IEC 61620	Max.0.005
9	Particle Content	ISO 60970	No General Requirement
	<b>2-Refining/ Stability:</b>		
10	Appearance	VISUAL	Clear, free from sediment & suspended matter
11	Acidity	IEC 62021-1 OR IEC62021-2	Max. 0.01 mg KOH/gm
12	Inter Facial Tension MN/m	EN 14210 OR ASTM D971	No General Requirement
13	Total Sulphur Content	IP 373 OR ISO 14596	No General Requirement
14	Corrosive Sulphur	DIN 51353	Not Corrosive
15	Potentially Corrosive Sulphur	IEC 62535	Not Corrosive
16	DBDS(Dibenzylsulphide) mg/kg	IEC 62697	Not Detectable(<5mg/kg)
17	Inhibitors of IEC 60666	IEC 60666	(U) Uninhibited Oil; Not Detectable (<0.01%)
18	Metal Passivator Additives mg/kg	IEC 60666	Not Detectable
19	Other Additives	-	-
20	2 Furfural Content mg/kg/gm	IEC-61198	Not Detectable
21	Stray Gassing	See 6.22	No General Requirement
	<b>3-Performance:</b>		
22	Oxidation Stability @120°C, 164 HRS  A) Total Acidity mg KOH /gm B) Sludge % C) DDF @ 90 °C	IEC-61125:1992 (METHOD C) TEST DURATION; (U) UNINHIBITED OIL: 164h 1.9.4 of IEC 61125:1992 1.9.1 of IEC 61125:1992 1.9.6 Of IEC 61125:1992 Amendment 1(2004) +IEC 60247	Max. 1.2 Max. 0.8 Max. 0.5
23	Gassing Tendency	IEC60628:1985, METHOD A	No General Requirement
24	ECT		No General Requirement
	<b>4- Health, Safety and Environment:</b>		
25	Flash Point	ISO 2719	Min.135°C
26	PCA Content %	BS-2000 PART 346	3 .0% MAX
27	PCB Content mg/kg/gm	IEC-61619	Not Detectable
28	Carbon Type Analysis CA % CP % CN %	FTIR	4.0 to 12.0 50.0 Max 42.0 Min