

TRANSFORMER OIL PRODUCT DATA SHEET

VELVEX – 60296 UT

Is an Uninhibited Transformer Oil meeting IEC:60296 -2012-02 Edition 4.0 standard Table -2 –General Specifications and it also meets the ASTM D 1275 B Test requirement for Corrosive Sulphur.

Sr. No.	Characteristics	Unit	Test Method	Guaranteed Data	
				Min	Max
1	Appearance		Visual inspection of Oil sample in Transmitted light under a thickness of 10 cm at ambient temperature	Clear free from sediment and suspended matter	
2	Density at 20°C	g/ml	ISO 3675 or IEC 12185		0.895
3	Kinematic Viscosity at 40°C	cSt	ISO 3104		12
	Kinematic Viscosity At -30° C				1800
4	Flash Point, PMCC	°C	ISO2719	135	
5	Pour Point°C	ISO 3016			-40
6	Inter Facial Tension at 25°C	N/m	EN 14210 or ASTM D971 (where it is used as general requirement)	No General requirement	
				40 min.	
7	Acidity	Mg KOH/gm	IEC62021-1 or 62021-2		0.01
8	Water Content Bulk/Drum,IBC	Mg/kg	IEC60814		30/40
9	Break Down Voltage as delivered/after treatment	KV	IEC 60156	30/70	
10	Dielectric Dissipation Factor(Tan delta) at 90°C & 40 to 60 Hz		IEC60247 or 61620		0.005
11	Corrosive Sulphur silver Strip,100°C, 18 Hrs,Copper Strip, 150°C,49 Hrs		DIN 51353ASTM D 1275 B	Non Corrosive	
	Potentially Corrosive Sulphur		IEC 62535	Not Corrosive	
	DBDS	Mg/kg	IEC 62697-1 (in preparation)	Not Detectable(< 5 mg/kg)	
14	Total Sulphur Content	%	IP 373 or ISO 14596	No General Requirement	
15	Inhibitors of IEC 60666(Anti Oxidant additives)	%	IEC 60666	(U) Uninhibited Oil not Detectable (<0.01%)	
16	Metal Passivator additives of IEC 60666	Mg/kg	IEC:60666	Not Detectable(<5mg/kg)	
17	Other Additives			Does not contain any Additives	
18	Oxidation Stability at 120°C, 164Hrs	mgKOH/gm%	IEC 61125 Method C		
	Total Acidity		1.9.4 of IEC61125:1992		1.2
	Sludge		1.9.1 of IEC 61125:1992		0.8
	DDF at 90°C		1.9.6 if IEC61125 Amendment 1(2004)+ IEC 60247		0.500
19	Gassing Tendency	L /min	IEC 60628:1985 Method A	No General Requirement	
20	PCA Content	%	IP 346		3
21	PCB Content	Mg/kg	IEC 61619	Not Detectable(<2mg/kg)	
22	2-Furfural and related compounds content	Mg/kg	IEC61198	Not Detectable (<0.05 mg/kg) for each individual Compound	
23	Stray Gassing		See 6.22 of IEC 60296	No general requirement	
24	ECT		See 6.14 of IEC60296	No general requirement	
25	Particle Content		IEC 60970	No general requirement	