

VELVEX - 12463 IT

is an Inhibited Transformer Oil meeting BIS: IS: 12463/1988 Specification

Sr. No.	Characteristics	Unit	Test Method	Guaranteed Data	
				Min	Max
1	Appearance		Sample of the oil Shall be examined in 100mm thick layer at 27° C	Oil shall be clear transparent and free from suspended matter Or sediment	
2	Density at 29.5 ° C	g/ml	IS 1448 P16-1997		0.89
3	Kinematic Viscosity at 27°C	cSt	IS 1448 P25-1996		27
4	Flash point, PMCC	°C	IS 1448 P21-1970	140	
5	Pour Point	°C	IS 1448 P10-1970		-6
6	Inter Facial Tension	N/m	IS 6104-191	0.04	
7	Neutralization Value	Mg KOH/gm	IS1448 P2-1967		
	a) Total acidity				0.03
	b) Inorganic acidity/Alkalinity				Nil
8	Water Content	ppm	IS:13567-1992		50
9	Specific Resistance	Ohm-cm	IS:6103-1971		
	a) At 90°C			35x10 ¹²	
	b) At 27°C			1500x10 ¹²	
10	Break Down Voltage New Unfiltered/After Filtration	KV	IS:6792 -1972	30/60	
11	Dielectric Dissipation factor (Tan delta) at 90°C		IS6262-1971		0.002
12	Corrosive sulphur copper strip, at 140° C, 19 Hrs		IS:335 Annexure B	Non Corrosive	
13	Presence of Oxidation Inhibitor	%	IS:13631-1992		0.3
14	Oxidation Stability at 100° C 164 hrs	mg KOH/gm %			
	a) Total Acidity				0.4
	b) Sludge				0.1
15	Ageing Characteristics after accelerated ageing (open breaker method with copper catalyst)		IS 12177 – 1987 Method A		
	Specific Resistance at 27°C	Ohm-cm		2.5x10 ¹²	
	Resistivity at 90°C	Ohm-cm		0.2x10 ¹²	
	Dielectric Dissipation factor(Tan delta) at 90°C				0.20
	Total Acidity	mg KOH/gm			0.05
	Total Sludge	%			0.05
16	Oxidation Stability, RBOT	Minutes		195	