



POWEROIL TO 1020

POWEROIL TO 1020 is an Uninhibited Transformer Oil meeting IEC 296 Class I & II : 1982 Standard Specification. 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		Representative sample of the oil shall be examined in transmitted light under a thickness of 10 cm at ambient temperature	Clear free from sediment and suspended matter	
2	Density at 20 ° C	Kg / dm ³	ISO 3675		0.895
3	Kinematic Viscosity at 40 ° C	Mm ² / sec	ISO 3104		11
	at - 15 ° C				800
	at - 30 ° C				1800
4	Flash Point, PMCC	° C	ISO 2719	140	
5	Pour Point	° C	ISO 3016		- 45
6	Inter Facial Tension at 25 ° C	N / m	ISO 6275	0.04	
7	Neutralization Value	mg KOH/ gm	7.7 of IEC 296		0.03
8	Water Content , Bulk / Drum	ppm	IEC 733		30 / 40
9	Breakdown Voltage		IEC 156		
	As Delivered / After Treatment	kV		30 / 50	
10	Dielectric Dissipation Factor (Tan δ) at 90 ° C & 40 to 60 Hz		IEC 247		0.005
11	Corrosive Sulphur Copper Strip, 140 ° C, 19 Hrs Copper Strip , 150 ° C, 48 Hrs		ISO 5662 ASTM D 1275 B	Non Corrosive Non Corrosive	
12	Anti Oxidant Additives	%	IEC 666	Not Detectable	
13	Oxidation Stability at 100 ° C, 164 Hrs		IEC 74		
	Neutralization Value	mg KOH /gm			0.4
	Sludge	%			0.1

(Version # 4 1st October , 2014)

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