

**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		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		0.895
3	Kinematic Viscosity at 40 ° C	mm <sup>2</sup> / 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	Acidity	mg KOH/ g	7.7 of IEC 296		0.03
8	Water Content, Bulk/ Drum, IBC	mg / kg	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 /g	1.9.4 of IS 12422		0.4
	Sludge	%	1.9.1 of IS 12422		0.1