

**POWEROIL TO 1020 BS**

POWEROIL TO 1020 BS is an Uninhibited Transformer Oil meeting BS 148 Class I & II: 1984 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	BS 4714		0.895
3	Kinematic Viscosity at 40 ° C	mm <sup>2</sup> / sec	BS 2000 Part 71		11
	at - 15 ° C				800
	at - 30 ° C				1800
4	Flash Point, PMCC	° C	BS 2000 Part 34	140	
5	Pour Point	° C	BS 2000 Part 15		- 45
6	Neutralization value	mg KOH/ g	BS 2000 Part 1		0.03
7	Water Content, Bulk/ Drum, IBC	mg / kg	BS 6470		30 / 40
8	Breakdown Voltage		BS 5874		
	As Delivered	kV		30	
9	Dielectric Dissipation Factor (Tan δ )at 90 ° C & 40 to 60 Hz		BS 573		0.005
10	Corrosive Sulphur Copper Strip, 140 ° C, 19 Hrs. Copper Strip , 150 ° C , 48 Hrs.		BS 5680 : 1979 ASTM D 1275 B	Non Corrosive Non Corrosive	
11	Anti-Oxidant additives	%	BS 5984 : 1980	Not Detectable	
12	Oxidation Stability at 120 ° C, 164 Hrs.		BS 148 : 1984 Appendix A		
	Total Acidity	mg KOH /g			1.5
	Sludge	%			1.0
13	Gassing Tendency at 50 Hz after 120 minutes	mm <sup>3</sup> / min	BS 5797 Method A		+ 5