



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		Representative sample of the oil shall be examined in transmitted light under an oil depth of 100 mm at ambient temperature	Clear free from sediment and suspended matter	
2	Density at 20 °C	Kg / dm ³	BS 4714		0.895
3	Kinematic Viscosity at 40 °C	mm ² / sec	BS 2000 Part 71		11
	at 20 °C				25
	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/ gm	BS 2000 Part 1		0.03
7	Water Content , Bulk / Drum	ppm	BS 6470		30 / 40
8	Breakdown Voltage		BS 5874		
	As Delivered	kV		30	
9	Dielectric Dissipation Factor (Tan δ) at 90 °C & 40 to 62 H:		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	Antioxidant Additives	%	BS 5984 : 1980	Not Detectable	
12	Oxidation Stability at 120 °C, 164 Hrs		BS 148 : 1984 Appendix A		
	Total Acidity	mg KOH /gm			1.5
	Sludge	%			1.0
13	Gassing Tendency at 50 Hz after 120 minutes	mm ³ / min	BS 5797 Method A		+ 5

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