

# TOAP 1020 BS

TOAP 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 <sup>3</sup>	BS 4714		0.895	
3	Kinematic Viscosity at 40°C	mm <sup>2</sup> /sec	BS 2000 Part 71		11	
	at			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) 90°C & 40 to 62 Hz		BS 573		0.005	
10	Corrosive Sulphur					
	Copper Strip, 140°C, 19Hrs Copper Strip, 150°C, 48Hrs		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 <sup>3</sup> /min	BS 5797 Method		+5	

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