

TOAP 1020 X

TOAP 1020 X is an Inhibited Transformer Oil meeting IEC 296 Class I A & II A: 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 20°C				25
		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	7.7of IEC 296		0.03
8	Water Content, Bulk/Drum		ppm	IEC 733		30/40
9	Breakdown Voltage AS Delivered/After Treatment		kV	IEC 156		
					30/50	
10	Dielectric Dissipation Factor (Tanδ) 90°C & 40 to 60 Hz			IEC 247		0.005
11	Corrosive Sulphur Copper Strip, 140°C, 19Hrs Copper Strip, 150°C, 48Hrs			ISO 5662 ASTM D 1275 B	Non Corrosive Non Corrosive	
12	Anti Oxidant Additives		%	IEC666 (Limits given as guideline only)	0.15	0.40
13	Oxidation Stability at 100°C, 164 Hrs			IEC 74		
	Induction Period		Hours	(Limits given as guideline only)	120	

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