

9	Electric strength (break down voltage) with 2.5mm gap			
a)	New filtered oil Min	30 KV (rms)	IS 6792	
b)	After filtration Min	70 KV (rms)		
10	Dielectric dissipation factor tan(d) at 90 degC Max	0.002		
11	Specific resistance (Resistivity)		IS 6103	
a)	At 90 degC Min	35×10^{12} ohm-cm		
b)	at 27 degC Min	1.500×10^{12} ohm-cm		
12	Oxidation stability		As per IS 335	
a)	Neutalisation value after oxidation Max	0.2 mg KOH/g		
b)	Total Sludge after oxidation Max	0.06 percent by weight		
13	Ageing characteristics after accelerated ageing (open breaker method with copper catalyst)		As per IS 12177 method A	
a)	Specific resistance (Resistivity)			
1)	at 27 degC Min	2.5×10^{12} ohm-cm		
2)	At 90 degC Min	0.2×10^{12} ohm-cm		
b)	Dielectric dissipation factor tan(d) at 90 degC Max	0.2	IS 6262	
c)	Total acidity Max	0.05 mg KOH/g	IS 1448 (P:2)	
d)	Total Sludge Max	0.03% by weight	IS 12177	
14	Presence of oxidation inhibitor	The oil shall not contain anti oxidant additives	IS 13631	
15	Water content Max	30 ppm in bul , 40 ppm in drum	IS 13567	
16	SK value	4-8%	IS 335	
17	PONA Analysis			
a)	Paraffins	48-52%		
b)	Oliifins	Nil		
c)	Nepthen	38-42%		
d)	Aromatic	8-10%		

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