

### TRAFOL ASTM TIN

TRAFOL ASTM I is a premium quality Transformer Oil fully complying with the ASTM D 3487 2008 Type I specifications. It possesses excellent electrical and low temperature properties and oxidation stability.

S. No.	Characteristic	Unit	Test Method	Typical Data	
				Min.	Max.
A.	Physical				
1	Aniline Point	°C	D 611	63	84
2	Colour	-	D 1500		0.5
3	Flash Point	°C	D 92	145	
4	Interfacial Tension at 25°C	mN/m	D 971	40	
5	Pour Point	°C	D 97		-40
6	Relative Density (specific gravity) 15°C	-	D 1298		0.91
7	Viscosity At 100°C At 40°C At 0°C	cSt (SUS)	D 445/ D2161		3.0 (36) 12.0 (66) 76.0 (350)
8	Visual Examination	-	D 1524	Clear & Bright	
B.	Electrical				
9	Dielectric Breakdown Voltage at 60Hz Disc Electrodes VDE Electrodes, 0.040 in (1.02mm) 0.08 in (2.03 mm) gap	kV	D 877  D1816	30  20 35	
10	Dielectric Breakdown Voltage, Impulse conditions 25°C, Needle negative to sphere grounded. 1 in. (25.4 mm) gap	kV	D 3300	145	
11	Gassing Tendency	µL min	D 2300		+30
12	Dissipation Factor (or power factor) at 60 Hz At 25°C At 100°C	%	D 924		0.05 0.30
C.	Chemical				
13	Oxidation Stability, (acid-sludge test) 72 h: Sludge by mass Total acid number 164 h: Sludge by mass Total acid number	% by mass mg KOH/gm	D 2440		0.15 0.5 0.3 0.6
14	Oxidation Inhibitor content	% by mass	D 2668		0.08
15	Corrosive Sulphur	-	D 1275	Non-corrosive	
16	Water	ppm	D 1533		35
17	Neutralisation Number, Total Acid number	mg KOH/ gm	D 974		0.03
18	PCB content	ppm	D 4059	Not detectable	

Disclaimer: Manufacturer makes no warranties, representation or conditions of any kind, expressed or implied, for use with respect to these products. Final determination of suitability of these products for the application contemplated by the user is solely the user's responsibility.