

DIVYOL TRANS 2

TRANSFORMER OIL – IS 335:2018 TYPE II – UNINHIBITED

Divyol Trans 2 is a transformer oil specially manufactured from carefully selected new generation base oil, possessing excellent electrical properties and conforming to standards of IS 335:2018 Type II – Uninhibited.

Sr. No.	Characteristics	Test Method	Limits
1. Function			
1	Viscosity at -40 °C	IS 1448 (Part 25)	15 mm ² /s. max.
2	Viscosity at 0 °C	IS 1448 (Part 25)	1800 mm ² /s, max.
3	Viscosity at -30 °C	IS 1448 (Part 25)	-
	Viscosity at -40 °C	IS 16084	-
4	Pour point	IS 1448 (Part 10/Sec 2)	-10 °C max.
5	Water content	IEC 60814	1) 30 mg/kg max. for bulk supply 2) 40 mg/kg max. for drum supply
6	Breakdown voltage	IS 6792	i) 30 KV min. delivered ii) 70 KV after treatment
7	Density at 20 °C	IS 1448 (Part 16)	0.895 g/ml max.
8	DDF at 90 °C	IS 16086 / IEC 60247	0.005, max.
9	Particle content	IS 13236	No general requirement
2. Refining / Stability			
10	Appearance	-	Clear, free from sediment and suspended matter
11	Acidity	IEC 62021 - 1	0.01 mg KOH/g max.
12	Interfacial tension mN/m	ASTM D 971	No general requirement
13	Total sulphur content	ISO 14596 / ASTM D 4294	No general requirement
14	Corrosive sulphur	DIN 51353	Not corrosive
15	Potentially corrosive sulphur	IS 16310	Not corrosive
16	DBDS	IS 16497 (Part 1)	Not detectable (< 5 mg/kg)
17	Inhibitors of IEC 60666	IS 13631	(U) Uninhibited Oil; Not detectable (< 0.01%)
18	Metal passivator additives of IEC 60666 to IS13631	IS 13631	Not detectable (< 5 mg/kg) or as agreed upon with the purchaser
19	Other additives	-	-
20	2-Furfural & related comp, content	IS 15668	Not detectable (< 0.05 mg/kg) for each individual compound.
3. Performance			
21	Oxidation stability	IS 12422 (method C)	
		Test duration (U) Uninhibited Oil: 164 hrs.	
a)	Total acidity	1.9.4 of IS 12422	1.2 mg KOH/g max.
b)	Sludge	1.9.4 of IS 12422	0.8% max.
c)	DDF at 90 °C	1.9.4 of IS 12422	0.500 max.
22	Gassing tendency	IEC 60628:1985, Method A	No general requirement
23	ECT	See 6.14	No general requirement
4. Health, safety and environment			
24	Flash point	IS 1448 (Part 21)	135 °C, min.
25	PCA content	IP 346	3.0 % max.
26	PCB content	IS 16082 / ASTM D 405	Not detectable (< 2 mg/kg)

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