

DIVYOL TRANS 3

TRANSFORMER OIL – IS 335:2018 TYPE I – INHIBITED

Divyol Trans 3 is specially manufactured from carefully selected new generation base oil, possessing excellent electrical properties and conforming to specifications of IS 335:2018 Type I – Inhibited.

Sr. No.	Characteristics	Test Method	Limits
1. Function			
1	Viscosity at -40 °C	IS-1448 (Part 25)	12 mm ² /s, max.
2	Viscosity at 0 °C	IS-1448 (Part 25)	-
3	Viscosity at -30 °C	IS-1448 (Part 25)	1800 mm ² /s, max.
	Viscosity at -40 °C	IS-16084	-
4	Pour point	IS1448 (Part 10 Sec 2)	-40 °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	(I) Inhibited Oil; 0.08 % - 0.40 %
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 and 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 (I) Inhibited oil: 500 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 4059	Not detectable (< 2 mg/kg)

Disclaimer: Gandhar makes no warranties, representation or conditions of any kind expressed or implied for use with respect to products. Final determination of suitability of the product for the application contemplated by the users is solely their responsibility.