



An ISO 9001:2015 Certified Co.

Product Data Sheet

DC Transformer Oil (Insulating Oil)

- IS Designation: Type 1: Uninhibited
- ISO Viscosity Grades: 10
- Performance Standards: IS 335: 2018 Type 1 Uninhibited, IEC 60296: 2012 Type B Uninhibited
- Usage Guidelines: to be used as an electrical insulation medium in oil filled transformers and similar electrical equipment in which oil is required as an insulant and for heat transfer
- Composition: Base Oil Group II, Additives: None

Physico-Chemical Properties: DC Transformer Oil (Insulating Oil)

S.No.	Characteristics	Test Method	10
1	Appearance		clear and transparent
2	Density @ 29.5°C, max	IS 1448 P:16	.89 g/cm ³
3	Kinematic Viscosity @ 27°C, max	IS 1448 P:25	27
4	Interfacial Tension @ 27°C, min	IS 6104	.04 N/m
5	Flash Point Pensky Marten (closed),min	IS 1448 P:21	140°C
6	Pour Point, max, °C	IS 1448 P:10	-6
7	Neutralization Value, Total Acidity, max	IS 1448 P:2	0.03 mg KOH/g
8	Corrosive Sulphur	IS 335 Annex B	Non Corrosive
9	Electric Strength (breakdown voltage), New Unfiltered oil, min	IS 6792	30 kV (rms)
10	Dielectric dissipation factor (tan δ) @ 90°	IS 6262	0.002
11	Water Content, max	IS 13567	50 ppm

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