

Transformer Oil SMX

Transformer Oil SMX, high grade inhibited transformer oil with higher oxidation stability and lower sulphur content meeting the IEC 60296: 2020 Edition 5.0 Standard Table–3 general specifications. It also meets the ASTM D 1275 test requirement for corrosive sulphur.

Technical Specifications

Appearance	Visual	Clear and Free of Sediment
Colour	ISO 2049	Max. 0.5
Density @20°C, kg/dm^3	ISO 12185	Max. 0,895
Kinematic Viscosity @40°C, cSt	ISO 3104	Max. 12.0
Kinematic Viscosity @-30°C, cSt	ISO 3104	Max. 1800
Flash Point, PMCC, °C	ISO 2719	Min. 135
Pour Point, °C	ISO 3016	Max. -40
Interfacial Tension @25?C, mN/m	ASTM D 971	Min. 43
TAN, mg KOH/g	IEC 62021	Max. 0,01
Water Content, (mg/kg); Bulk Drum, IBC	IEC 60814	 Max. 30 Max. 40
Breakdown Voltage, kV; -Before Treatment -After Treatment	IEC 60156	 Min. 30 Min. 60

DDF, Dielectic dissipation factor, (Tan ?) @90?C & 40 - 60Hz	IEC 60247 ya da IEC61620	Max. 0.005
Corrosive Sulfur; Silver Strip, 100?C, 18 hours	DIN 51353	non-corrosive
Corrosive Sulfur; Silver Strip, 150?C, 48 hours	ASTM D 1275	non-corrosive
Potentially Corrosive Sulfur	IEC 62535	non-corrosive
DBDS, mg/kg	IEC 62697-1	not detectable
Inhibitors (%) according to IEC 60666	IEC 60666	Inhibit Oil (0.08% - 0.40%)
Metal Passivator Additives (mg/kg)	IEC 60666	not detectable
Other Additives	-	It contains no additives other than antioxidants.
Oxidation Stability (120°C, 500h); TAN, mg KOH/g Sludge, wt% DDF (@90°C)	IEC 61125	 Max. 0,3 Max. 0,05 Max. 0,05
PCA, wt%	IP 346	Max. 3
PCB, mg/kg	IEC 61619	not detectable
2-Furfural and Related Compounds Content, mg/kg	IEC 61198	not detectable
Total Sulfur Content, wt%	ISO 14596	Max. 0,05

Performance

IEC 60296:2020 edition 5.0 TYPE A (TVAI)
Approved by TEIAS.

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