

AWAT AT01 Insulating Oil

Mineral insulating oil for distribution transformers

Properties	Tests	Test Method	Typical Values
Physical	Appearance & Color	Visual IEC 60422	Clear (0.5)
	Density (gr/ml)	ISO3675	0.860
	Water Content in oil (mg/kg)	IEC 60814	15
	Viscosity at 40°C (cst)	ISO 3104	12
	Pour Point (°C)	ISO 3016	-30
HSE	Flash Point (°C)	ISO 2719	145
	PCB content (mg/kg)	IEC 61619	Not detected
	PCA content (%Wt)	BS 346	Not detected
Electrical	Breakdown Voltage (kV)	IEC 60156	60
	Dielectric Dissipation Factor at 90°C	IEC 60247	0.003
Chemical	Acidity (mg KOH/g)	IEC62021-1	<0.01
	Interfacial Tension (mN/m)	ASTMD 971	36
	Corrosive Sulfur	IEC 62535	Non corrosive
	Potential Corrosive Sulfur	IEC 62535	Non corrosive
	DBDS (mg/kg)	IEC62697-1	Not detected
	Metal Passivator (mg/kg)	IEC 60666	Not detected
	Furfural content (mg/kg)	IEC 61198	<0.01
	Inhibitor content (%Wt)	IEC 60666	<0.01
Oxidation St. at 164h	Acidity (mg KOH/g)	IEC 61125 Method C	0.8
	Sludge		0.4