

Unused Insulating Oil

Electrical Oil Services Ltd unused insulating oil conforms to IEC 60296:2012 and is pure mineral hydrocarbon oil, specially refined and blended from selected crudes to surpass the limiting values of the international standard specification and readily complies with all other user requirements.



PROPERTY	UNIT	TEST METHOD	SPECIFICATION		TYPICAL DATA
			MIN	MAX	
1. PHYSICAL					
Appearance		IEC 296	Clear, free from sediment and suspended matter		
Viscosity @ -30°C	mm ² /s	ISO 3104		1800	1291
Viscosity @ -40°C	mm ² /s	ISO 3104		12.0	10.3
Closed Flash Point	°C	ISO 2719	135		147
Pour Point	°C	ISO 3016		-40	-57
Density @ 20°C	g/ml	ISO 12185		0.895	0.879
2. CHEMICAL					
Neutralisation value	mgKOH/g	IEC 62021-1		0.01	<0.01
Corrosive Sulphur		IEC 62535 ASTM1275B DIN 51353	Non corrosive Non corrosive Non corrosive		
Polycyclic Aromatics mass	%	BS 2000 Part 346		3	<3
PCB content	mg/kg	IEC 61619	Not detectable		Not detectable
Water content Bulk	mg/kg	IEC 60814		30	<15
Drums				40	<25
Oxidation stability at 120°C 164h	mgKOH/g	IEC 61125 (method C)		1.2	0.7
Acidity after Oxidation					
Sludge Value	wt %			0.8	0.2
3. ELECTRICAL					
Dielectric Dissipation Factor @ 90°C		IEC 60247		0.005	0.001
Breakdown Voltage on delivery	kV	IEC 60156	30		>40

All reasonable care has been taken to ensure that the information contained in this publication is accurate as at the date of printing. It should be noted however that the information above may be affected by changes occurring subsequent to the date of printing in the blend formulation or methods of application of any of the products referred to or in the requirements of any specification approval relating to any such products.