



## Insulating Oil

Transformer Oil

### Description

Castrol Insulating Oil is a pure mineral hydrocarbon oil, specially refined and blended from selected crudes. It is an uninhibited transformer oil, optimised for high performance to meet the stringent requirements of the IEC 60296:2003 specification.

### Application

Designed for use as a transformer, switchgear and circuit breaker oil which conforms to the international specification IEC 60296:2003.

### Features / Benefits

- High dielectric strength and low power loss
- High oxidation resistance
- Low sludge formation
- Excellent cooling properties
- High purity and flash point

## Technical Data

Name	Method	Units	Insulating Oil
Viscosity @ -15°C	ISO 3104	cSt	400
Viscosity @ 40°C	ISO 3104	cSt	9
Closed Flash Point	ISO 2719	°C	140
Pour Point	ISO 3016	°C	-57
Density @ 20°C	ISO 3675	g/ml	0.879
Neutralisation value	IEC 62021-1	mgKOH/g	0.01
Corrosive Sulphur	IEC 62535		non-corrosive
Polycyclic Aromatics mass	BS 2000 part 346	%	<3
PCB content	IEC 61619		not detectable
Water content; Bulk, Drums	IEC 60814	mg/kg	<15, <25
Oxidation stability at 120°C 164h	IEC 61125 (method C)		
- Acidity after oxidation		mgKOH/g	0.24
- Sludge value		% wt	0.1
Dielectric Dissipation Factor @ 90°C	IEC 60247		0.001
Breakdown Voltage on delivery	IEC 156	kV	>40

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

## Care and Handling

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

## Packaging and Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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