



PEAK ELECTRICAL INSULATING AND TRANSFORMER OIL

PREMIUM INSULATING OIL

DESCRIPTION & APPLICATION:

PEAK Electrical Insulating Oil is an inhibited high-grade electrical insulating oil, which conforms to IEC 60296 Edition 5.0 2020. It has been specially developed for use in oil-filled electrical equipment including power and distribution transformers, circuit breakers, rectifiers and switchgears.

BENEFITS:

- Strong resistance to oil degradation
- Excellent oxidation stability for a longer transformer life with less maintenance
- Superior low temperature properties without the use of pour point depressants
- High dielectric strength which exceeds the toughest requirements without experiencing failure of its insulating properties
- Excellent heat transfer due to its low viscosity and viscosity index, ensuring heat is efficiently removed from core and windings

PRODUCT SIZES:

PRODUCT CODE	PACK SIZE	CTN QTY
80190020	20 Litre	
80190060	60 Litre	
80190205	205 Litre	
801901000	1000 Litre	

TYPICAL CHARACTERISTICS*:

TEST	METHOD	SPECIFICATION LIMITS (Min. & Max)		TYPICAL VALUE
Appearance	IEC 60296	Clear, free from sediment and suspended matter		Conforms
Viscosity @ 40oC mm2/s	ISO 3104		12.0	10.2
Viscosity @ -30oC mm2/s	ISO 3104		1,800	1120
Density @ 20oC kg/litre	ISO 3675		0.895	0.870
Flash Point oC	ISO 2719	135		145
Corrosive Sulphur	DIN 51353	Non-Corrosive		Non-Corrosive
Potentially Corrosive Sulphur	IEC 62535	Non-Corrosive		Non-Corrosive
Acidity mg KOH/g	IEC 62021		0.01	0.001
Oxidation Stability @ 120oC, 500 Hrs	IEC 61125 (Method C)			
A: Total Acidity mgKOH/g			1.2	0.38
B: Sludge %weight			0.8	0.18
C: DDF @ 90oC			0.5	0.15
Inhibitor Content %mass	IEC 60666		0.40	0.38
Water Content mg/kg	IEC 60814		30 (Bulk) 40 (drums)	12 (Bulk) 14 (Drums)
2-Furfural Content mg/kg	IEC 611978		0.05	Non-Detectable
DDF @ 90oC	IEC 60247		0.005	0.0004
Breakdown Voltage kV	IEC 60156	30 Before - 70 After		66 Before – <72 After
PCA Content %	IP346		<3.0	0.56
PCB Content mg/kg			Non-Detectable	Non-Detectable

* Typical characteristics are provided as a guide only and are subject to manufacturing tolerances. They however do not constitute any legal liability. Information is correct at time of publishing. Environmental information is provided on the Safety Data Sheet (SDS) for this product. Published 12 January 2021



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