cyclon® ENGINEERED TO PERFORM

TECHNICAL PRODUCT SHEET

PWR ELECTRO

DESCRIPTION

PWR ELECTRO INH is a premium-quality, pure hydrocarbon, non-inhibited transformer and switchgear oil, produced from highly refined naphthenic base oils. It provides excellent insulation, cooling, and lubrication performance for high-voltage equipment. Its superior oxidation stability prevents sludge and acid formation, while its corrosive-sulfur-free formulation ensures long-term equipment protection. Engineered to deliver reliable performance under demanding operating conditions, it meets and exceeds the strict requirements of IEC 60296:2020.

APPLICATIONS

PWR ELECTRO INH is suitable for use in a wide range of high-voltage electrical equipment, including power and distribution transformers, switchgears, and circuit breakers.

SPECIFICATIONS

IEC	60296 (ed. 5, 2020)

PROPERTIES

PWR ELECTRO INH delivers high oxidation stability and strong dielectric performance, ensuring consistent insulation and long-term equipment reliability. Its controlled viscosity and efficient cooling characteristics support optimal heat dissipation and smooth operation across demanding load conditions. The product maintains excellent low-temperature fluidity and is completely free of PCBs, contributing to both operational safety and environmental protection.

BENEFITS

PWR ELECTRO INH demonstrates very low sludge formation and enhances the effectiveness of solid insulation by filling internal clearances, improving overall dielectric stability. It prevents moisture penetration, supports lower operating temperatures, and ensures efficient, low-loss performance. Environmentally responsible and highly versatile, it is well-suited for a broad range of transformer applications.

LPC S.A. 124 Megaridos Ave., Aspropyrgos
19300, Greece (+30) 210 80 93 900

v1.JAN26

Produced and Packaged in E.U.
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PHYSICAL-CHEMICAL CHARACTERISTICS

PWR ELECTRO INH	METHOD	
Appearance	Visual	B&C
Density at 20°C, g/cm^3	ΙΣΟ 12185	0,875
Viscosity, Kinematic (cSt) 40°C	IEC3104	9.20
Viscosity, Kinematic (cSt) -30°C	IEC 3104	924
DFF @ 90°C	IEC60247	<0.001
Water content, ppm	IEC 60814	13
TAN, mgKOH/g	IEC 62021-1	<0.01
Flash point, COC, °C	ISO 2719	152
Breakdown voltage (untreated), kV	IEC 60456	57
Pour point, °C	ISO 3016	-65
Corrosive sulfur	DIN 51353	Non-corrosive
PCB	IEC 61619	Absence

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.

HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).

USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.