



## TRANSFORMER OIL

### POWER-LITE TO4015

POWER-LITE TO4015 transformer oil is high-quality insulating oil developed for use in oil-filled transformers, capacitors, tap changers, circuit breakers, rectifiers, switch gears. It is designed for use as an insulating and cooling medium for electrical apparatus. Excellent heat transfer properties for cooler operation and longer life.

#### FEATURES

- Good oxidation stability for longer oil life
- Good dielectric strength which exceed the requirements from all major requirements
- Very low pour point
- Excellent heat transfer characteristics which helps extend equipment life
- High flash point
- Free of PCB

#### APPLICATIONS

- **Industrial transformers:** Electrical insulating oil for transformers and switch gears. Grid and industrial transformer;
- **Electrical equipment:** Components like rectifiers, circuit breakers, switch gears.

#### SPECIFICATIONS

POWER-LITE TO4015 meets the following specifications:

- ASTM D-3487 Type II
- CSA C50-97 Class A
- IEC 296 class 1 / IEC 60296 table 2 inhibited
- BS 148 Class 1A
- GE A13A3A2 (10CA)
- IEEE / NEMA type II



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**STORAGE :** In order to keep the high dielectric strength of the product, POWER-LITE TO4015 must be kept dry and clean. The drums are sealed to keep the moisture out and must be stored indoors and covered to protect them from dust and debris. Once the seal is broken, every effort must be made to use the complete drum to help prevent water contamination, which quickly degrades the dielectric strength. If contamination is suspected, analyze the oil for dielectric strength before use.

Parameter	Unit	POWER-LITE TO4501
<b>PHYSICAL</b>		
Appearance		Clear, free of solids
density ( 20°C )	kg/M <sup>3</sup>	868
Kinematic viscosity (-30°C)	mm <sup>2</sup> /s	1658
Kinematic viscosity (40°C)	mm <sup>2</sup> /s	10.45
Flashpoint	°C	142
Pour point	°C	-49
<b>CHEMICAL</b>		
Neutralisation value	mgKOH/g	0.007
Water content	mg/L	15
Water-soluble Acid	PH	none
Corrosive Sulphur		Non corrosive
PCB		None detected
<b>ELECTRICAL</b>		
Dielectric dissipation factor (at 90°C)		0.0007
Breakdown voltage	kV	52
<b>OXIDATION STABILITY</b>		
Neutralization value	mgKOH/g	0.008
Sludge content	%	0.011

*Due to continuing product improvement, the information contained herein is subject to change without notice. Power-lite industries inc. does not make any warranties, representation or conditions of any kind expressed or implied for the use of this product. Final determination of suitability is solely the responsibility of the end user.*



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