Product Data Sheet

**Aminol™ T-1500**

Transformer oil

**Product description**

Aminol™ T-1500 is a premium quality highly refined mineral-based transformer oil designed to provide maximum performance and protection for high voltage electrical equipment. It has been formulated with sulfur paraffinic oils using selective hydrogenation and purification processes to deliver excellent electrical insulation properties, superior heat transfer capabilities, and long-term oxidation stability.

**Application**

Aminol™ T-1500 Transformer Oil is used as an oil circuit breaker which is used in the transformers; isolators; regulators; as a circuit breaker. The product can be used in all types of oil-filled electrical equipment, including power transformers, distribution transformers and switchgear and control gear.

**Features & Benefits**

* Excellent oxidation stability for longer service life
* High dielectric strength for enhanced insulation properties
* Low power loss for increased efficiency
* Superior heat transfer properties for efficient cooling
* Exceptional moisture resistance for reliable performance in damp conditions

**Typical Properties**

| **Property** | **Unit** | **Test method** | **Typical value** |
| --- | --- | --- | --- |
| Kinematic Viscosity  - at -30℃  - at 20℃  - at 50℃  - at 100 ℃ | cst | ASTM D 445 | 1100  20.0  7.5  2.5 |
| Flash Point | ℃ | ASTM D 93 | 145 |
| Pour Point | ℃ | ASTM D 97 | -45 |
| TAN | mg KOH/g | ASTM D 974 | 0.005 |
| Dielectric dissipation factor at 90°С | % | IEC 60247 | 0.20 |
| Dielectric Breakdown Voltage  - as delivered  - after treatment | kV | IEC 60156 | 30  60 |
| Density at 20℃ | g/cm3 | ASTM D 4052 | 0.883 |

Typical property characteristics are based on current production. Whilst future production will conform to Aminol™ specifications, variations in these characteristics may occur.

**Performance claims**

* ASTM D3487
* IEC 60296
* BS 148
* DIN 57370
* JIS C 2300
* **ГОСТ 982-80**
* **IEC 60296 Ed.4.0, 2012 Class I**
* **EN 61039 ISO-L-NTIO-2960131**
* **Siemens TUN 901293**

**Health, Safety & Environment**

* **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: [www.aminol.az](http://www.aminol.az)

* **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

**Available pack sizes**

* 20 L Canister plastic
* 200 L Drum sheet metal
* 1000 L Container

**Storage**

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

**Notes**

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