

SRS Wiolan IF 10



Transformer Oil

October 2013

Characteristics

SRS Wiolan IF 10 has excellent oxidation stability due to its high purity. This means longer life for the oil filling. The low viscosity allows rapid oil circulation and ensures good cooling. The extremely low dielectric loss factor qualifies it for application as insulating or dielectric oil.

Application

SRS Wiolan IF 10 is insulating oil which has been specially developed for use in transformers and switches. It has been proving itself under extreme operating conditions for a number of years. Due to its excellent low temperature behaviour, it is as trouble free at very low temperatures as it is at the high operating temperatures as a result of overload.

Performance

SRS Wiolan IF 10 fulfils the stringent requirements for transformer oils as described in the following specifications

- IEC 60296 edition 4.0
- VDE 0370-1
- DIN 51 535
- IEC 62535
- ASTM D 1275 - B

SRS Wiolan IF 10 meets the requirements of major transformer manufacturer's.

SRS Wiolan IF 10 is a product of the H&R ChemPharm GmbH.

| Typical Data | Test Method | SRS Wiolan IF 10 |
|-----------------------------------|---------------------------------------|------------------|
| Designation | DIN 51 502 | J 10 |
| Colour | DIN ISO 2049 | L 0,5 |
| Density at 15°C | g/cm ³ DIN 51 757 | 0.870 |
| Kin. Viscosity at -30°C | mm ² /s DIN EN ISO 3104 | 1,000 |
| Kin. Viscosity at 20°C | mm ² /s DIN EN ISO 3104 | 22.4 |
| Kin. Viscosity at 40°C | mm ² /s DIN EN ISO 3104 | 10.0 |
| Flash Point PM | °C DIN ISO 2719 | 152 |
| Pour Point | °C DIN ISO 3016 | - 48 |
| Neutralization Number | mgKOH/g DIN 51 558/2 | < 0.01 |
| Corrosive Sulphur | g/100g DIN 51 353 | none |
| Water Content | mg/kg IEC 60814 | < 20 |
| Breakdown Voltage | kV IEC 60156 | 40-60 |
| | kV IEC 60156 | > 70 |
| Dielectric Loss Factor at 90°C | IEC 60247 | < 0.001 |
| Oxidation Stability at 164h/120°C | IEC 61125 C | |
| Neutralization Number | mgKOH/g | 0.50 |
| Sludge Content | wt. % | 0.15 |
| Dielectric Loss Factor at 90°C | | 0.080 |

The above values may vary within the commercial limits.