

# SRS Wiolan IF 10



## Transformer Oil

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### 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 Ed. 5 (2020) Type B, TVBU

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 <sup>3</sup> DIN ISO 12185	0.870
Kin. Viscosity at -30°C	mm <sup>2</sup> /s DIN EN ISO 3104	1,100
Kin. Viscosity at 40°C	mm <sup>2</sup> /s DIN EN ISO 3104	9.5
Flash Point PM	°C DIN EN ISO 2719	150
Pour Point	°C DIN ISO 3016	- 51
Neutralization Number	mgKOH/g DIN 51 558/2	< 0.01
Corrosive Sulphur	DIN 51 353	none
Potentially Corrosive Sulphur	IEC 62535	none
Corrosive Sulphur	ASTM D 1275	none
Water Content	mg/kg IEC 60814	< 20
Breakdown Voltage	kV IEC 60156	40-60
	kV IEC 60296	> 70
Dielectric Loss Factor at 90°C	IEC 60247	< 0.001
Oxidation Stability at 164h/120°C	IEC 61125 C	
Neutralization Number	mgKOH/g	0.70
Sludge Content	wt. %	0.15
Dielectric Loss Factor at 90°C		0.035

The above values may vary within the commercial limits.