

Transformers

NYTRO® BIO 300X Insulation Liquid

Next generation insulation liquid for your most stringent requirements



Properties

Bio-based hydrocarbon insulating fluid per IEC 60296

Density	0.785 kg/dm ³
Viscosity 40°C	3.7 cSt
Pour point	-60°C
Oxidation Stability	IEC 61125 >500 hours
Interfacial tension at 25°C	49 mN/m
DDF at 90°C	<0.001
Breakdown voltage [kV/2.5mm]	>70 kV

Advantages

- Renewable hydrocarbon sourced from agricultural by-product
- Fulfills all insulation liquid requirements according to IEC 60296 and IEC 60422
- Negative CO₂ footprint
- Readily biodegradable (OECD 301)
- Applicable to all voltage levels and all R&S products
- Superior viscosity allows for better cooling and cold start properties compared to mineral and ester oil
- Reduced total-cost-of-ownership (TCO) for the owners especially for transformers with overload
- Lower top oil and winding temperature

Offered by R&S

Option for new orders as well as retrofitting