



DOT XONNECT

## ***NanoProtech Electric***

### TECHNICAL SPECIFICATIONS

SUITABLE SUBSTRATES:	Brass, aluminium, stainless steel, raw iron, zinc, brazing solder, etc. (Does not react with plastics, rubber, glass, varnishes, ceramics and fabrics).
PREPARATION:	Preparation of highly refined mineral oils, complexing agents, inhibitors and additives, corrosion protection additives, anti-oxidants, metal deactivators as well as paraffinic and naphthalene hydrocarbons. Free from polycyclic hydrocarbons, fluorinated or chlorinated hydrocarbons, resins, silicones, Teflon and aromatic compounds
FORM:	Liquid
COLOUR:	Green
IGNITION POINT:	> 250°C
EXPLOSION LIMITS:	lower: 0.6 Vol.-% upper: ~10.9 Vol.-%
SOLUBILITY IN WATER:	Not soluble, not emulsifying
DENSITY:	0.6 g/ml at 20 C (extremely high penetrability)
APPLICATION:	Shake can well prior to use and spray onto device. The oil should form a closed film, excess material will drip off. If necessary, smear with piece of fabric. The effect occurs after 5 – 10 minutes
DURABILITY:	Depending on mechanical strain up to 1 year
CLEANING/REMOVAL:	Nanoland Liquid Electro Insulation is unaffected by surfactants. For removal use blank cleaner, brake cleaner or grain ethanol. Fully functional between -20 and +130 C
TEMPERATURE RESISTANCE:	Fully functional between -20 and +130 C

#### **DISRUPTIVE STRENGTH**

**See below:**

Directly after application	After 1 h	After 100 h	Values for comparison			
			Air	Insulating oil	Glass	China
163 kV/cm	208 kV/cm	256 kV/cm	33 kV/cm	120 kV/cm	140 kV/cm	200 kV/cm



## ***NanoProtech Electric***

### TECHNICAL SPECIFICATIONS

SURFACE RESISTANCE:	28.46 TΩ (1TΩ = 10 OHM) according to ISO93
CREEP RESISTANCE:	Very high creep resistance due to extremely high surface resistance.
WATER DISPLACEMENT:	100% in 10-15 seconds.
CORROSION PROTECTION:	Salt spray test according to DIN 50021 (5 cycles @ 24 hours) : no traces of corrosion.
SAFETY MEASURES:	When processing, the instructions and safety precautions on the container label as well as the respective safety regulations to comply with the relevant employers' mutual insurance association have to be regarded.
STORAGE:	In closed original containers the product may be stored at +5 to +25°C for 12 months.
DISPOSAL:	Completely emptied containers may be disposed as domestic waste. Containers that are not completely empty have to be disposed of according to local regulations.
IMPORTANT NOTE:	This technical information has been compiled based on the latest state of technology & our experience. Due to the diversity of individual substrates & project conditions, however, the user is not relieved of its obligation to test our material in a professional manner to their own responsibility to their suitability for the intended purpose under the prevailing conditions. Since application and handling are beyond our control, no liability of the manufacturer can be derived from the content of this technical information sheet. In all cases our terms & conditions are valid. In the case of a new issue this document will be invalid.