

Technical Data Sheet

ECS Silicone

Art. Nr. 712.400

Product description

SILICONE contains a high-quality, thin insulating silicone oil with a breakdown voltage of 12 kV/mm. It forms an inert, clear film which does not dry up, is water-repellent and therefore is an excellent water and moisture buffer. SILICONE is also a good universal lubricant for plastics and rubber and is stable within a wide temperatures range from -50° C up to +200° C.

Furthermore it is non-toxic, non-staining and does not attack any engineering material.

Application

To avoid spark discharge in high voltage transformers, on tube bases, etc.

SILICONE eliminates reliably the creepage currents and corona effects, prevents shortcuts and insulates. It prevents sticking and is an excellent separating, mould release and wire pulling agent. The thin invisible film lubricates plastic bearings, drives, gear and rubber.

Please note

Spray SILICONE on the whole surface area of the parts to be treated. For accurate work use the attached extension tube. Warning: Do not use SILICONE on components under voltage. Prior to switching on the appliances, allow solvents to evaporate. Electronical devices to be switched-off during cleaning and plug to be taken out. Cleaning instructions of appliance producer to be taken into account. Further information concerning SILICONE to be found in recent MSDS.



Technical Data

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| Appearance: | Clear, colorless liquid |
| Odor: | Typical mild |
| Density aerosol at 25°C: | 0,97 [g/cm ³] |
| Viscosity film at 25°C: | 1000[mm ² /s] |
| Compatibility with materials: | Very good |
| Temperature resistance: | -50 to +200 [° C] |
| Thermal conductivity: | 0,16 [W/m K] |
| Dielectric strength at 20° C: | 12 [kV/mm] |
| Dielectric constant at 25° C: | 2,8(0,5 - 100 kHz) |

Storage/ Shelf Life

Shelf life is 5 years if stored correctly.

