

SILICONE 72

For insulation, lubrication and protection

1. GENERAL DESCRIPTION

KONTAKT CHEMIE Silicone 72 is a medium-viscosity silicone oil (polydimethylsiloxane) with optimum electrical properties and excellent temperature resistance.

2. FEATURES

- High insulating capacity with a dielectric strength of 12 KV/mm.
- Can be used at temperatures from -50°C to +200°C.
- The insulating film remains stable regardless of temperature.
- Ideally suited as a non-hardening insulating film
- Water repellent
- it does not attack sensitive materials and has a negligible contaminating effect.

3. APPLICATIONS

- As lubricant In electronics where corona effects / leakages and spark discharge must be prevented .
- As lubricant in the pulling of wiring and cables.
- As a lubricant in Plastics and chipboard production.
- As a release agent in the moulding of plastic and rubber parts.

4. DIRECTIONS

The easiest way to apply KONTAKT CHEMIE Silicone 72 is from the aerosol can. The spray contains an inflammable solvent, therefore it must not be used on live electrical equipment. Sources of ignition must be avoided.

For relatively large-scale applications or when the inflammable solvent presents a problem, the product may also be used in bulk form which, when undiluted, has a very high flash point. If hydrocarbons with a higher flash point than the specified Cleaner 601 are used for the dilution, provision needs to be made for a much longer drying time.

KONTAKT CHEMIE Silicone 72 is a very efficient release agent for lacquer, adhesive etc, and must not therefore be applied to parts in regions where such substances are being applied. Electrical contacts should also not be treated with it. The extreme insulating properties and the silicon dioxide decomposition product created by switching sparks might increase the contact resistances.

TECHNICAL DATA SHEET 2/2

SILICONE 72

A safety data sheet (SDS) according to EU directive 91/155/EEC and amendments is available for all CRC products

5. TYPICAL PRODUCT DATA

Aerosol

Density at 20°C (FEA 605)	:	0,78 g/cm ³
Colour	:	colourless, transparent
Flash point (DIN 51755)	:	< 0°C
Silicone oil content	:	45%
Solvent evaporation rate (DIN 53170)	:	Ca. 1,2

Properties of the active ingredient

Density at 20°C ASTM D 891	:	0,97 g/cm ³
Colour	:	Colourless transparent
Temperature resistance when air excluded	:	-50°C to 160° up to 250°C
Flash point ASTM D 56	:	Ca. 300°C
Kinematic viscosity at 25°C DIN 51562 T1	:	1000 mm ² /s
Dielectric strength DIN 53481	:	12 kV/mm
Volume resistivity DIN 53482	:	10 ¹⁴ Ω x cm

6. APPROVALS:

NATO stock number	:	9160-12-172-1084
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7. PACKAGING

Aerosol	:	200 ml
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All statements in this publication are based on service experience and/or laboratory testing. Because of the wide variety of equipment and conditions and the unpredictable human factors involved, we recommend that our products be tested on-the-job prior to use. All information is given in good faith but without warranty neither expressed nor implied.

This Technical Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Technical Data Sheet will be sent to you upon simple request or can be found on our website: www.crcind.com.

We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.

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