

KONTAFLO^N 85

A grease-free PTFE-based lubricant and release agent.

1. GENERAL DESCRIPTION

KONTAKT CHEMIE Kontakflon 85 is a completely dry, oil-, grease- and silicone-free lubricant. The lubricating solid particles consist of PTFE (polytetrafluoroethylene).

2. FEATURES

- Surfaces sprayed with KONTAFLO^N 85 have the typical characteristics of PTFE: Water-repellent, Tack-free, Does not soil or grease, Non-conductive.
- Resistant to temperatures ranging from -100°C to +260°
- Non-flammable after evaporation of solvent
- Resistant to chemicals.
- Good adhesion properties due to a small amount of binder.
- Optimum alternative to mineral oil wherever clean, colourless, grease-free lubricants and release agents are required.

3. APPLICATIONS

KONTAKT CHEMIE Kontakflon 85 can be used in the vicinity of or on sensitive materials: textiles, paper, cardboard, wood. It can also be used on sensitive plastics and in presence of aggressive chemicals. When very thin, non-contaminating lubricating films are required, e.g. for the lubrication of the ejector pins in plastic injection moulds. PTFE has a very low static/gliding friction ratio; it is very effective therefore at inhibiting back gliding. KONTAKT CHEMIE Kontakflon 85 is used as a temperature-resistant mould release agent in plastics and elastomer processing.

4. DIRECTIONS

KONTAKT CHEMIE Kontakflon 85 is most easily applied using the aerosol can.

The solid active substance settles to the bottom relatively quickly in the aerosol, concentrate and dilutions. Therefore the storage container needs to be shaken and/or stirred at regular intervals.

Before the product is applied, the surfaces must be clean and grease-free. Metal surfaces can be degreased, e.g., using KONTAKT CHEMIE Degreaser 65.

The solutions of KONTAKT CHEMIE Kontakflon 85 are moisture-sensitive. During storage, containers must always be properly closed and sealed. Diluted solutions are to be prepared only in amounts capable of being consumed in a day.

Installations and equipment used must be suitable for the handling of flammable liquids. Freshly coated surfaces "feel" relatively flat. If optimum gliding properties are to be guaranteed immediately, the lubricating film should be polished with a cloth or swab after 15 to 30 minutes drying time.

The load bearing capacity of PTFE is relatively small compared with other solid lubricants. When high surface pressures are involved, therefore, other solid lubricants are to be preferred (e.g. graphite or MoS₂).

KONTAKT CHEMIE Kontakflon 85 is a release agent who prevents the sticking of coatings, plastics moulding compounds and adhesives. In contrast to silicones, however, it is non-volatile and non-penetrating. When components are moved into areas where coatings or adhesives are being applied, there is no danger of wetting problems on adjacent surfaces

In the given working temperature range, PTFE is a substance of extraordinary chemical stability. No harmful effects are observed when it is absorbed orally or comes into contact with the skin. When handling relatively large quantities, we recommend that a good ventilation should be provided and dust filter masks should be worn. When PTFE combusts, toxic decomposition products are released. A no-smoking rule must also be enforced therefore when using the product. Ensure there is good ventilation when using the aerosol or the diluents. Further information on safety can be found in the safety datasheet.

5. TYPICAL PRODUCT DATA

Aerosol

Density at 20°C	FEA 605	:	0,64 g/cm ³
Flash point	ASTM D 56	:	< 0°C

Properties after evaporation of the solvent

Working temperature range		:	-195°C to +260°C
Density	ASTM D 891	:	2,16 g/cm ³
Average particle size		:	5 µm
Drying time at 20°C		:	15 min
Hardness Needle penetration (ASTM D 1321-57 T 400 g, 5 s)		:	0.5mm

6. PACKAGING

Aerosol : 200 ml

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.

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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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