Information Sheet KF-500

KLINGERflon Spray
Separating-, anti-seizing- and lubricating agent

Product description

KLINGERflon Spray is a separating-, anti-seizing- and lubricating agent on a TFE base (tetra-fluor-ethulentelimer) – it is dispergent in CHC- and HCFC-exempt solvents – and thinned with a special benzene dilutant.

The handy KLINGERflon aerosol ensures a clean and rapid application of the agent.

After application and the evaporation of the solvent, there remains a thin white TFE coating bound by a bonding agent, with the typical characteristics of fluorine plastics – such as:

- *a separating and anti-adhesive effect*
- *temperature resistant up to + 265 °C*
- *practically chemically inert, resistant to acids, alkalis and solvents*
- *physiologically compatible*
- *self-lubricating effect at low-rate friction coefficients*

Form of supply

TFE emulsion is supplied in thinned form ready for use as:
KLINGERflon aerosols
of 400 ml content, in cartons of 12

Order example:

120 aerosols of KF Spray
of 400 ml content
= 10 cartons as per Info Sheet KF 500

Application

KF spray is a well proven CHC- and HCFC- and silicon-exempt ***separating agent for plastics, elastomers (rubber) and adhesives.***

The layer of TFE prevents parts baking the mould and assists in enhancing the de-moulding rate in extrusion-, laminating- and compression cycles by means of rapid and easy de-moulding routines. Subsequent processing problems and working faults, such as orange-peel effects or the formation of bubbles, will be reduced. This will enable, for example 8 to 10 de-moulding routines to be carried out without between new jobs when processing epoxy resins with an air cured TFE layer.

Coatings with KLINGERflon Spray are completely free of grease, leave behind no soiling and are non-transference contaminating, i.e. no problems will be experienced during subsequent printing operations, metalizing routines, adhesive- or varnish work with the moulded sections. The coatings can be applied to, and are compatible with practically all plastic materials currently available on the market today.

The KF Spray is a valuable accessory in all branches of industry, in workshops and in domestic areas, where ***grease-free, dry and non-contaminating lubrication is required.***

In order to obtain the best adhesive properties of the TFE coating, the surface of the work piece to be coated should be completely dry and free of any contamination and repellent substances (e.g. grease, oil and the link).

The coating should be applied only in thin layerings. Larger gauged coatings need to be applied and built up in several separate layers with intermittent service live to permit the curing of the individual coatings.

The KF Spray contains CHC- and HCFC-reduced solvents, e.g. a special form of benzene. Care should however be taken to ensure, that statutory ordinances and regulations for the handling of flammable solvents be complied with.

The coating, when applied not be exposed to naked flames or glowing embers in the vicinity in order to prevent ignition and the generating of any decomposition products. Good ventilated conditions are to be ensured on site. All safety regulations concerning the handling of aerosols as well as the notices imprinted on the spray can are to be taken into consideration.

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