



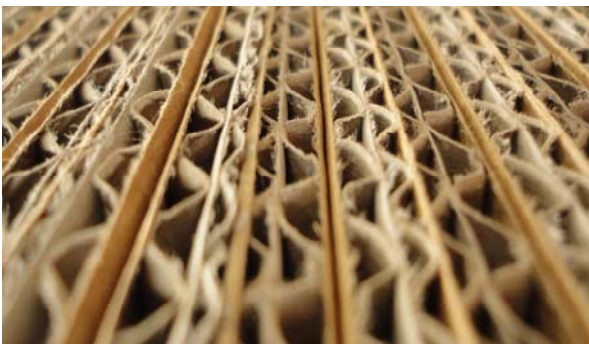
## CORRUGATOR INDUSTRY LUBRICANTS

In a globally competitive market corrugated board manufacturers have to ensure maximum performance from their machinery.

This means that equipment needs to last longer, require less maintenance and downtime whilst producing quality end products.

IKV Group manufacture high performance lubricants formulated specifically for the needs of the corrugating industry for which we have been supplying across the globe for decades.

IKV's range of special fluorinated greases offer extreme high temperature stability and a high resistance to steam, water and corrosion without the need to use Sodium Nitrite.



Wear resistance and the reduction of friction are two major criteria to increase the reliability of bearings and the efficiency of corrugator machinery.

Our premium quality products are formulated especially for the bearings on heated rollers in single facers and ensure their continued operation - even in the extreme temperature and load situations of corrugator machines.

### Corrugator Roll Bearing Lubrication IKV-TRIBOFLON MYA FG Corrugator Grease

**This premium product offers:-**

- Highly reduced wear at friction points - less than half the wear of our major competitors' products
- A reduced coefficient of friction
- No oxidation or formation of gummy residues
- Increase working stability under the influence of roll lamination
- Lower volatility at high temperatures - ensuring less oil evaporation
- Very low base oil bleeding - giving better grease integrity

Grease	Nature of Base Oil	NLGI Grade	Useable Temp Range
IKV TRIBOFLON MYA 242 FG	PFPE	2	-36 TO 260°C
IKV TRIBOFLON MYA 241 FG	PFPE	1	-36 TO 260°C
IKV TRIBOFLON MYA 502 FG	PFPE	2	-30 TO 260°C
IKV TRIBOFLON MYA 501 FG	PFPE	1	-30 TO 260°C

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## CORRUGATOR INDUSTRY LUBRICANTS

The **IKV-TRIBOFLON FG** range is manufactured to ISO 2001 quality and manufactured to US Code of Federal Regulations (CFR), title 21 178.3570, from ingredients approved in the Food and Drugs Administration (FDA) white book. They are also **NSF H1** registered for Food Grade Lubricants with a potential for incidental contact with food, making the product ideal for the production of food grade packaging.



### **CORRUGATOR DEGREASER**

**IKV-SOLV XF** is a fluorinated solvent based degreaser for cleaning parts lubricated with **IKV-TRIBOFLON** and at the same time, is an effective cleaner of any other carbon residues coming from external contamination.

**IKV-SOLV XF** evaporates totally, does not leave greasy residues, and is highly recommended not only to eliminate the anti-corrosion film applied to new bearings, but also to clean/degrease the bearings and their housings during maintenance operations.

### **GLUE UNITS**

One of the main problems in the lubrication of glue units is the need to regularly apply lubricant to moving parts in order to avoid inadequate lubrication and maximize moisture resistance.

Thanks to the automatic lubricators containing our **ATOX H-1/2** grease, your bearings will be effectively protected from failure. This product is **NSF H-1** registered and is ideal for the production of food grade packaging.

**ATOX H-1/2** is a high performance food grade grease with special additives for roller and ball bearings, and all other grease applications where a premium quality food grade grease is required. Due to the excellent physical, chemical characteristics of the thickener, the grease offers superior affinity to metal and high mechanical stability. Formulated with a high lubricating capacity synthetic oil, **ATOX H-1/2** will operate in a wide range of service temperatures from -40 to 180°C.

The additive package provides outstanding anti-corrosive, anti-rust, anti-wear and E.P. properties thus providing high lubricating capacity in very stringent service conditions. Because it offers long life and slow aging characteristics, it reduces the re-lubrication frequency, and consequently reduces grease consumption.



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### TRANSPORT CHAINS

Chains in corrugator production are subject to high levels of atmospheric dusts requiring lubricants with high load capacity, anti-wear & capillarity properties to penetrate and clean internal friction points.



**IKV-TRIBOFOOD XTREME TF** has high detergent power and is fortified with **PTFE** giving enhanced lubricating film and release properties.

**IKV-TRIBOCHAIN 150 WR** is based upon a special mineral oil with a very viscous structure. This fluid oil has excellent 'anti-drip' properties and resists centrifugal fling off. It also has a special anti-corrosion and additive package, ensuring chains last longer and lubrication intervals are extended giving cost savings over conventional oils.

Our **IKV-TRIBOFOOD XTREME TF** is a **PTFE** dry film lubricant with low molecular weight **PTFE**. It provides a thin dry film & offers very high adhesion on all surfaces. The product offers excellent protection against mechanical stress, oxidation and most chemicals.

**IKV-TRIBOFOOD XTREME TF** provides high temperature resistance (up to 300°C). It can also be used as a release agent for any type of plastic, rubber and elastomers. It is recommended for precision tools, textile machinery, weapons, nautical equipment, delicate instruments and also reduces stick-slip problems.

Once applied the film is dry which prevents the adhesion of resin & glues and makes the elimination of splashes easier. It is used as an anti-adhesion agent in the textile and special fibres industry, and is an effective de-moulder for plastic, rubber & elastomer applications, because it is chemically neutral it does not affect elastomers nor is it transferred to parts. It does not descale when applied to stainless steel, carbon steels, chromes, bronze, titanium or aluminium.

### CUT OFF KNIVES

The cut-off knives require a lubricating oil with medium viscosity and high purity. High wear resistance is needed to protect the knives from dust, abrasion and the high friction levels in the cutting zone.

For ultimate food safety the **IKV-FOOD GLIDE RANGE** is **NSF 3H** registered for applications with direct food contact or our **ATOX RANGE** with **NSF 3H** offers optimal knife lubrication where higher temperatures are encountered.



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### ROTARY SLITTER / SCORER BLADES

The rotary and static slitter/scorer blades require a lubricant of low viscosity to avoid dust adhesion which contributes to a significant reduction in blade wear.

**IKV-FOOD GLIDE 3H** is a **NSF 3H** registered mineral oil product designed for this type of application. It is registered for direct food contact and has the highest food safety registration to ensure your requirements for external audits are met. The product meets all of the application requirements and is a very cost effective way of extending blade life.

**IKV-TRIBOLINE PE 1429** is a special lubricating dispersion of **PTFE**, added to a blend of synthetic base oils and a carrier fluid to aid penetration. It has high load carrying capacity & exceptional resistance to arduous conditions, weathering and contamination.

The **PTFE** dry film lubricant resists temperatures up to above 250°C. It has excellent inertness and significantly reduces the friction co-efficient between mating surfaces.

### CUTTERS & SLIT SCORER SHAFTS

Dust deposits on both the cutters & slitter scorer shafts impedes their movement and adjustment. The use of low viscosity fluids like **IKV-FLUOR 32** or **IKV-FLUOR 70 SPRAY** on the shafts significantly reduces dust deposit and assures easier regulation.

**IKV-FLUOR 70 Spray** is a non-flammable, colourless and odourless perfluoropolyether (PFPE) fluid formulated into aerosol form for ease of application. The product was developed for use as a lubricating anti-friction coating on a wide range of substrates including plastics, elastomers and leather.

**IKV-FLUOR 70** is totally compatible with all commonly used elastomers, seals, gaskets, plastics and metals, providing a durable, low friction film and eliminating unwanted noise and friction. This totally colourless lubricant leaves a long lasting lubricating film, which does not stain the substrate.

**IKV-FLUOR 32 C** is a colourless and odourless perfluoropolyether (PFPE) type oil, which is totally chemically inert and resistant to all common solvents. It does not migrate and is also compatible with all widely used elastomers, plastics and metals. Please contact us for guidance on the most suitable product for your application.

