



## SPECIAL GREASES

# ADDIFLON PFPE PREMIUM XH 1 PLUS, XH 2 PLUS

### PRODUCT DESCRIPTION

ADDINOL PFPE Premium XH 1 PLUS and XH 2 PLUS are based on synthetic oil, organic polymer as thickener and special additives for long-term and boundary lubrication with high loads and superior corrosion protection.

Temperature range from -40°C up to +280°C.

### APPLICATION

- Excellent suitability for lubricating of thermally highly loaded sliding and roller bearings
- Particularly suitable for the lubrication of thermally highly loaded applications like load rollers of conveyors, drying and varnish kilns, tunnel furnace devices, dry-running compressors and similar devices

ADDINOL PFPE Premium XH 1 PLUS is suitable for lubricating sliding and roller bearings of ripple/corrugated rollers for plants manufacturing corrugated board.

ADDINOL PFPE Premium XH 2 PLUS used as excellent lubricant for different fittings in rubber and plastic industry as well as for first and initial lubrication of radial parted tyre moulds.

ADDINOL PFPE Premium XH 1 PLUS and XH 2 PLUS must not be mixed with other greases. For first application remove used greases based on mineral or synthetic oil as well as factory-provided corrosion protection from the lubrication points.

### CHARACTERISTICS

- Stability against thermal and chemical decomposition
- Insensitive to solvents, concentrated acids and bases, alcohol and halogens
- Reduction of friction and wear
- Long-term and boundary lubrication
- Outstanding corrosion protection properties
- Special additives

### SPECIFICATIONS/APPROVALS

According to DIN 51502:

- KFK1U-40 for PFPE Premium XH 1 PLUS
- KFK2U-40 for PFPE Premium XH 2 PLUS

In compliance with NLGI class:

- 1 for ADDIFLON PFPE Premium XH 1 PLUS
- 2 for ADDIFLON PFPE Premium XH 2 PLUS

### DELIVERY

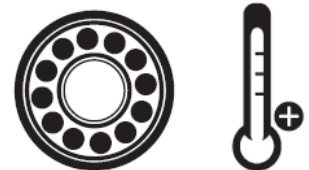
Delivery in 25 kg hobbocks, 1 kg cans and 800 g cartridges.

### CLEANING

To clean PFPE lubrication points it is necessary to use a special cleaning solvent:  
**ADDIFLON PFPE Solvent**

### ADVANTAGES AND BENEFITS

- **No polymerisation or carbonisation processes at application temperature**
- **Suitable in wide sectors of the industry**
- **Long lifetime of the friction pairings**
- **Long operating time of the lubricant**
- **Reliable protection of bearings towards rust and corrosion**
- **Applicable under heavy loads and extreme operating**





## ADDIFLON PFPE PREMIUM XH1 PLUS, XH 2 PLUS

### SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		ADDIFLON PFPE PREMIUM XH1 PLUS	ADDIFLON PFPE Premium XH 2 PLUS	Method acc. to
Colour			white	white	visual
Thickener			PTFE	PTFE	
According to DIN			KFK1U - 40	KFK2U - 40	DIN 51502
NLGI class			1	2	DIN 51818
Worked penetration	60 double strokes	0.1 mm	310-340	265-295	DIN ISO 2137
Temperature range		°C	-40 up to +280	-40 up to +280	
Drop point		°C	without	without	IP 396
Flow pressure	-40°C	hPa	< 1400	< 1400	DIN 51805
Speed factor	n · d <sub>m</sub>	mm/min	250,000	250,000	
Behaviour against plastic/elastomers			neutral	neutral	DIN ISO 1817 DIN 53 504 DIN ISO 7619-1
Behavior in the present of water	90°C	level	0	0	DIN 51807-1
Steel corrosion (EMCOR)		corr.level	0/0	0/0	DIN 51802
VKA welding load		N	8,500	9,000	DIN 51350-4

#### Base oil

Type			Perfluoropolyether (PFPE)		
Viscosity	40°C	mm <sup>2</sup> /s	420	420	ASTM D 7042
	100°C	mm <sup>2</sup> /s	40	40	
Evaporation loss (NOACK)	250°C/ 1 h	%	0.1	0.1	DIN 51581-1

### ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.