



## SPECIAL PRODUCTS

# ADDINOL ASSEMBLY PASTE HTP 700 PG

### PRODUCT DESCRIPTION

ADDINOL Assembly paste HTP 700 PG is a universally applicable high-temperature paste based on polyglycole and MoS<sub>2</sub> as solid lubricant.

Temperature range from -20 °C up to +200 °C, solid lubrication up to +700°C.

### APPLICATION

- Excellent suitability for high-pressure and high-temperature lubrication in mechanical engineering for slideways, guideways and joints at slow sliding movements
- Highly fit for the assembly of shaft-hub-connections (e.g. roller bearings, wheels, disks, flanges, bolts)
- Excellent suitability for the lubrication of hot screw connections, e.g. hot-steam screws at turbines, valves, chains, shafts, etc.
- Can be used to improve running-in conditions of guideways, bearings, gears
- At thin-film lubrication outstanding usability for roller and sliding bearings at highest temperatures, e.g. for bearings in processing plants, foundries, for wheel bearings of kiln plants in brickyards, ceramic and porcelain factories
- Fit for the lubrication of mechanical components (rubber, plastics) which are not resistant to mineral oil

### SPECIFICATIONS

According to DIN 51502:

- MPF2U-20

According to ISO 6743:

- ISO-L-X BGAB2

In compliance with NLGI class 2.

### DELIVERY

Delivery preferable in 1 kg cans.

### HANDLING

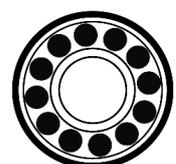
1. Apply with brush or cloth thinly and evenly to the cleaned surfaces.
2. Put HTP 700 PG thinly on roller bearings before installation.
3. Economical application in thin layers on surfaces cleaned before ensures immediate film effectiveness.

### CHARACTERISTICS

- Protection against wear
- Water resistant, very good chemical and solvent stability
- High temperature resistance
- Does not form carbon residues
- MoS<sub>2</sub> as solid lubricant

### ADVANTAGES AND BENEFITS

- Reduces friction and wear, very high pressure absorption capacity
- Corrosion protection of friction pairings
- Solid lubrication film stable up to 700 °C
- Prevents fretting
- Very good emergency lubricating characteristics





# ADDINOL ASSEMBLY PASTE HTP 700 PG

## SPECIFICATION AND TYPICAL PARAMETERS

Feature	Test condition / unit		Assembly Paste HTP 700 PG	Method acc. to
Colour			black-grey	visual
Structure			pasty	
Thickener			synthetic + MoS <sub>2</sub>	
NLGI class			2	DIN 51818
Temperature range		°C	-20 up to +200, solid lubrication up to +700°C	
Worked penetration	0.1 mm		290	DIN ISO 2137
According to DIN			MPF2U-20	DIN 51502
According to ISO			ISO-L-X BGAB2	ISO 6743
Density	at 20°C	kg/m <sup>3</sup>	1500	SEB 181301
VKA welding load		N	5000	DIN 51350-1
Almen-Wieland-Machine Welding load Shaft		kN	> 20	
			smooth	
Friction coefficient of $\mu$ falling to			0.02	

### Base oil

Type			polyglycole	
Viscosity	at 40°C		460	DIN 51562-1

## 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.