



## TP-1 PTFE Technical Product Information

### TP-1 PFTE

Heavy duty multipurpose lubricating paste, separating agent and anticorrosive.

Polytetrafluoroethylene (PTFE) better known under trade names such as Teflon®, Goretex®, Fluon®

### Areas of application

**TP-1 PFTE** is a fully synthetic multipurpose paste with PTFE as a solid lubricant. For the improvement of the sliding properties of material pairings such as non-ferrous metal/non-ferrous metal, metal/ elastomer or plastic/plastic. \*

**TP-1 PFTE** prevents galvanic corrosion between two different materials in seawater-atmosphere. Sealing of screw connections.

**TP-1 PFTE** is excellent for the lubrication of moving parts in connection with sea water/fresh water/moisture.

**TP-1 PFTE** is also used successfully for damping structure-borne noise and frictional vibrations on parts made of polymer materials.

### Characteristics

- Operating temperature -20 ° C to +150 ° C
- Very good resistance to sea water, fresh water, cold and hot water, water vapor
- Not dripping or melting
- Firmly adhering - high load - no drying out - unlimited storage
- Colour white

Thickeners	Polytetrafluoroethylene - PTFE		
Resting penetration	1/10 mm	220-250	DIN ISO 2137
Drop point	°C	without	IP 396
Four ball weld load	N	≥ 2000	DIN 51 350 -4
Base oil	Ester		
Kin. viscosity by 40 °C	mm <sup>2</sup> /s	approx. 5000	DIN 51 562
Kin. viscosity by 100 °C	mm <sup>2</sup> /s	approx. 340	DIN 51 562

### Typical characteristics

- NLGI class 3 \*\*
- Colour white

(\*) We recommend, especially before series production, to check the stability of the materials. come into contact with the lubricant.

(\*\*) The specification refers to the resting penetration.

Customs tariff number: 34039900

The information relates to the current state of the technology and is subject to changes. The information does not mean an warranty of properties for the individual case and do not release the consumer from own exams. Further data on demand.