



PROFACTOR[®]
DER DEUTSCHE QUALITÄTSSTANDAR

EN

TECHNICAL DATA SHEET AND USER MANUAL



PRODUCT CODE

PF FE 530
PF FE 531
PF FE 532
PF FE 533

PTFE-TAPE

1. PURPOSE AND SCOPE

PTFE sealing material is a thin synthetic sealant supplied in tape form, featuring high mechanical strength and thermal resistance. PTFE-tape does not age or lose its properties when exposed to aggressive media or high temperatures.

PROFACTOR® PTFE-tape is used for sealing threaded connections in process pipelines designed for the transportation of liquids and gases, as well as in hot and cold potable water supply systems.

2. TECHNICAL SPECIFICATIONS

Product Code	PF FE	530	531	532	533
Color	—	white	yellow	white	yellow
Tape material	—	Polytetrafluoroethylene			
Temperature range	°C	–60°C to +200°C			
Working pressure	bar	100			
Thickness	mm	0,25		0,10	
Width	m	19		12	
Length	m	15		12	
Spool diameter	mm	85		55	
Tensile strength	Mpa	6,86			
Elongation at break	%	95			
Density	g/cm³	0,3		0,7	
Weight	g	40		17	

PROFACTOR® PTFE-tape is in an accordance with DIN EN 751-3:1997.

3. PERFORMANCE CHARACTERISTICS

The material features plasticity, non-toxicity, high strength, chemical and thermal resistance, and excellent corrosion resistance. PTFE is classified as a hard-to-ignite and non-explosive material. Self-ignition temperature: +520°C. However, when heated above +260°C, PTFE releases volatile fluorine compounds that are highly toxic!

4. INSTALLATION INSTRUCTIONS

The PTFE-tape should be wound around the male thread clockwise — in the direction of tightening — while slightly stretching it to ensure a tight and even wrap without slack. Avoid excessive tension, as the tape may tear.

For better sealing between the male and female threads, wrap the PTFE-tape in several layers. The number of layers depends on the pipe diameter:

For pipes 15-25 mm in diameter — apply 4-5 layers.

For pipes 25-40 mm in diameter — apply 6-7 layers.

The end of the tape should be positioned so that it does not interfere with the screwing of the mating part.

After the PTFE-tape has been applied and the thread fully tightened, the joint must not be loosened, as this would compromise the seal. If it becomes necessary to disassemble the joint, the tape must be reapplied before reassembly.

5. WARRANTY OBLIGATIONS

The warranty period is unlimited. Throughout the entire warranty period, the manufacturer guarantees the proper functioning of the product and its compliance with safety requirements, provided that the consumer follows the rules for storage, transportation, installation, operation, and maintenance of the product. The warranty covers all defects arising through the manufacturer's fault.

The warranty does not cover defects resulting from:

- Violation of storage, transportation, installation, operation, or maintenance conditions;
- Exposure to substances aggressive to the materials of the product;
- Signs of mechanical damage;
- Damage caused by fire, natural disasters, or other force majeure circumstances;
- Damage caused by improper actions of the user;
- Evidence of unauthorized interference with the product design.



The product described in this technical manual is a technically complex device that must be installed by a qualified specialist with appropriate experience working with this type of equipment.

Installation and commissioning must be carried out by an authorized and certified company.

Profactor Armaturen GmbH reserves the right to make changes to the product design that do not affect its technical characteristics or functional features.



INTERNATIONAL WARRANTY CARD

NAME OF THE PRODUCT

PRODUCT CODE, SIZE

QUANTITY

SELLER NAME AND ADDRESS

DATE OF PURCHASE

SELLER STAMP

SELLER SIGNATURE

For the warranty term refer to the Warranty obligation clause in the technical manual

FOLD LINE

FOLD LINE

In case of any claims to the product quality the following documents should be submitted:

1. Application with customer and product details:

- Name of the customer, actual address and phone number
- Article of the product
- Reason for the claim and photo
- Plumbing system where installed (name, address, phone number)

2. Invoice copy and receipt

3. Warranty card

RETURN/EXCHANGE COMMENTS

DATE

SIGNATURE



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