Technical Data Sheet

Issued on : **18/09/2025**
Version : **11**
Cancels and replaces previous versions

OLIFAN PTFE HIGH DENSITY

OLIFAN PTFE HAUTE DENSITE

Functionality

100% raw PTFE tape for sealing all types of threaded metal connections and facilitating their disassembly.

- Sealing of water systems, systems containing water intended for human consumption (drinking water) and hot and cold sanitary and heating water systems for handmade or worn threads.
- Sealing of hydrocarbon and chemical product circuits.

Labels and Accreditation

Conforms to standard EN 751-3 – 1997 : "sealing materials for threaded connectors in contact with hot water – Part 3: unsintered PTFE tapes".

Drinking water compatibility : Conformity to current French positive lists.

Technical characteristics

Characteristics	Specifications
Colour	White
Width	12 mm
Thickness	0.1 mm
Density	0.8
Surface density	80 g/m²
Type of thread	Suitable for tapered/cylindrical and tapered/tapered joints (ISO 7-1)
Maximum pressure/maximum temperature	15 bars and maximum temperature according to the fluid (see table below) The PTFE material alone has good dimensional stability between -260 °C and +260 °C.
Pressurisation	Immediate.
Repositioning	No (Pay attention, for instance, to valves in the vicinity that could cause movement in the joints when they are operated)
Dismanting	Easy

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Fluid (liquid)	Maximum recommended temperature*
Acetone	150°C
Ethyl alcohol (ethanol)	200°C
Ammonia water	150°C
Caustic soda (50%)	150°C
Chlorine	150°C
Mono propylene glycol (MPG)	150°C
Sea water	205°C

Fluid (liquid)	Maximum recommended temperature*
Fuel	205°C
Diesel	205°C
Petrol	Up to boiling point
Kerosene	205°C
Sulphuric acid (100%)	260°C
Acetic acid (90%)	Up to boiling point
Mineral oil	180°C
Vegetable oil	Up to boiling point
Animal oil	Up to boiling point

*The temperatures are given in good faith. Given the number of materials, differences in quality and diversity of working methods, we recommend that users perform tests prior to application under actual conditions of use.

Use

Preparation

- Connections must be clean, dry and free of grease.

Instructions for use

- Wrap the tape around the male threads, in the direction of screwing up, overlapping it by 50%.
- Take care not to pull too hard on the product when wrapping it.
- When covering is finished, cut the tape and wrap the end onto the threads.
- Apply a tension of 50 to 150 Nm according to the application.
- Pressure can be restored immediately.

Consumption

	Approximate number of connections sealed with 1 metre of tape (*)
3/8''	8
1''	3

(*)The EN 751-3 standard requires a 50% overlap when wrapping the tape regardless of the thickness and density of the tape. Consequently, tape consumption only depends on its width.

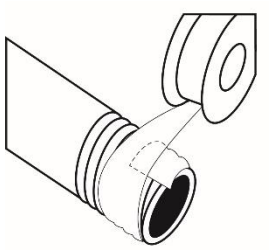
Safety precautions

The Material Safety Data Sheet is available on the Internet on www.quickfds.com or on www.geb.fr .

If the product is subject to detergent regulation : Component list available on request at reach@geb.fr

If the product is subject to biocide regulation or if it contains a biocide to protect it : Consult the Material Safety Data Sheet - Please use the products responsiblly.

Tip



Holding the reel as shown in the diagram above avoids the need to unroll too much tape when applying it.

Storage

Store at a temperature between -50°C and +50°C.
The expiry date on packaging is for unopened product stored at 20°C in normal hygrometry conditions.

Packaging and waste sorting

Refer to the information on the product and to the applicable local regulations.

Selection guide

		Water (sanitary hot and cold / heating water / drinking water)		Other fluids	Gas
		Fine or new threading	Coarse threading	Chemicals and hydrocarbons	Oxygen,Steam, pressurized air, gas
PTFE Tape	Standard				
	Special large diameter				
Olifan PTFE	High density				
	Oxygen, Special gas, Steam				

The information contained on the technical datasheet is provided in all good faith and results from measurements made in our laboratory. Given the number of materials, differences in quality and diversity of working methods, we recommend that users perform tests prior to application under actual conditions of use.

This document may be amended in keeping with product development and the state of our knowledge without prior notice and therefore it is recommended to check on http://www.geb.fr that you have the latest version before use.