

# Gevindtape



## PRODUCT DESCRIPTION:

Thread seal tapes from Unipak are white, non-adhesive thread seal tapes produced from pure Polytetrafluorethylen (PTFE)

PTFE-TAPE (10m x 12mm x 0,075mm). Density 0,20g/cm<sup>3</sup>. Max diameter: ¾". Temperature range from -200°C to +80°C. Max pressure: 10 bar. Suitable for installations with air and water.

UNITAPE (12m x 12mm x 0,075mm) Density 0,35g/cm<sup>3</sup>. Max diameter: ¾". Temperature range from -200°C to +100°C. Max pressure: 20 bar. Suitable for installations with air, heating and water.

MIDITAPE (12m x 12mm x 0,10mm) Density 0,35g/cm<sup>3</sup>. Max diameter: ¾". Temperature range from -200°C to +120°C. Max pressure: 20 bar. Suitable for installations with air, heating and water.

JUMBOTAPE (15m x 19mm x 0,200mm) Density 0,60g/cm<sup>3</sup>. Diameter: ¾" – 2". Temperature range from -200°C to +160°C. Max pressure: 30 bar. Very flexible – ideal for large, coarse or sharp threads (stainless). Application like Unitape but also very suitable for low pressure steam.

MAXITAPE (12m x 12mm x 0,100mm) Density 0,70g/cm<sup>3</sup>. Max diameter: 1¼". Temperature range from -200°C til +180°C. Max pressure: 30 bar. Suitable for steam, chemicals, acid, base, osolvents etc.

MULTITAPE (12m x 12mm x 0,100mm) Density 1,00g/cm<sup>3</sup>. Application like Maxitape. Approved for GAS (DG-2963) and drinking water. Also suitable for hydraulics. May be readjusted with 45° or more. Temperature range from -200°C til +260°C. Max pressure: 60 bar

SEALRITE GT12 og GT19 (5m x 12mm or 19mm x 0,200mm) Density 1,10g/cm<sup>3</sup>. Temperature range from -200°C til +260°C. High-End thread tape for systems where requirements for quality and safety have high priority. Very strong and economical in use. Less suitable for fine thread. May be readjusted with 45° or more. Max pressure: 80 bar

TOPSEAL (12m x 12mm x 0,100mm) Density 1,30g/cm<sup>3</sup>. Application like Maxitape. Approved for GAS, drinking water and liquid oxygen (BAM). Very suitable in situations, with high demands for the tape ability to withstand acid, pressure or heat. The product is very diffusion-proof and is therefore highly suitable for oil (also hydraulics), petrol and diesel. Approved for gas and drinking water (En 751-3 and DIN 30660). May be readjusted with 45° or more. Temperature range from -200°C til +260°C. pressure: 100 bar

## APPLICATION:

PTFE-Tape with lower density <0,70g/cm<sup>3</sup> are applied for the sealing of threaded joints on systems for water, compressed air, cooling and steam systems and hydraulic systems. Applicable on all types of materials (iron, metal, plastic, fibre etc.). Thread seal tape in general is also suitable on systems where heavy hygiene requirements are made (hospitals, food industry etc.)

Multitape and Topseal is used for sealing of threaded joints on installations with especially oxygen, while Sealrite may be used on all types of installations with gas and lager threads.

The high density taps described here are applied for the sealing of threaded joints on systems for water, compressed air, cooling and steam systems and hydraulic systems. Applicable on all types of materials (iron, metal, plastic, fibre etc.) Topseal/Multitape/Sealrite is suitable for about all tubing materials like iron, stainless steel, cast metals, plastics, fibre etc. Sealrite is because of its thickness not so suitable for smaller threads.

## TECNICAL PROPERTIES:

The exceptional strength and high molecular weight of the carbon fibre-fluorine compound provides PTFE-tape series of outstanding qualities. PTFE-Tape with high density (like eg. Topseal) is temperature resistant from **-200°C to +260°C** whereas tape with a lower density will not be able to withstand as high temperature. On installations where the working temperature is above **90°C we recommend PTFE-Tape with a density >1gr./cm<sup>3</sup>**. PTFE-tape in general is resistant to almost all types of acids, bases, solvents, chemicals etc., however, with the exception of fluorine, some fluoride chemicals and melted alkali metals. Very **low coefficient of friction**. Non-inflammable (ASTM D-635 og D-470). **Non-ageing. High tensile strength** even at low temperatures. Breaking-down resistant especially in connection with bending and vibrations. **High electric insulating power** independent of frequency and temperature. All these very positive qualities count for all types of PTFE-Tape, but in general higher density means higher resistance and specifications.

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## DIRECTIONS FOR USE:

Remove any dirt and metal shavings from the thread before application of PTFE-tape. Put the tape on the thread joint in the direction of inclination of the thread. Apply the tape with an even, firm pull to be tight-fitting about the thread. Dependent on wanted thickness of layer the overlap should be from  $\frac{1}{2}$  to  $\frac{3}{4}$  tape width. After assembling of the thread joints you should not disassemble. Dependent on pipe diameters the following type of tape is applied: Up to 25 mm UNITAPE is recommended. From 25 mm to 40 mm MAXITAPE is recommended. From 40 mm 65 mm JUMBOTAPE is recommended. Due to the fact that JUMBOTAPE is extremely flexible, it is ideal for coarse, damaged or sharp pipe threads. For very high pressure installations (e.g. hydraulic systems) thread seal tape with a high density is recommended anyhow (e.g. Maxitape). The tape is used alone and without any use of sliding agents.

Multitape and Topseal is used for sealing of threaded joints on installations with especially oxygen, while Sealrite may be used on all types of installations with gas and larger threads.

The types of tape described here are applied for the sealing of threaded joints on systems for water, compressed air, cooling and steam systems and hydraulic systems. Applicable on all types of materials (iron, metal, plastic, fibre etc.). Thread seal tape is also suitable on systems where heavy hygiene requirements are made (hospitals, food industry etc.) Topseal/Multitape/Sealrite is suitable for about all tubing materials like iron, stainless steel, cast metals, plastics, fibre etc. Sealrite is because of its thickness not so suitable for smaller threads.

## APPROVAL:

**Sealrite** is produced according to EN751-3 (European norm for tapes approved for both drinking water and gas)

**Multitape and TOPSEAL** is approved for **all types of gas** as well as for **liquid and gaseous oxygen**.

**Topseal** is approved by BAM for liquid and gaseous oxygen.

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein.

<b>PACKAGING:</b>						
	Emballage	Item no.	VVS-no.	RSK-no.	NRF-no.	LVI-no.
PTFE tape	(100/1000 pcs./box)	1000202	271400010	4054038	9507774	3265346
Unitape	(250/1000 pcs./box)	1000100/2	271401012	4054011	9507831	3265332
Miditape	(250/1000 pcs./box)	1000300/2	271404012	4054020	9507836	3265336
Jumbotape	(50/200 pcs./box)	1000500/2	271403020	4054019	9507832	3265342
Maxitape	(250/1000 pcs./box)	1000400/2	271402012	4054014	9507833	3265334
Multitape	(10/250 pcs./box)	1000600	271405012	4054012	9507834	3265338
Topseal	(10/250 pcs./box)	1000700	271406112	4054040	9507760	3265367
Sealrite 12 mm	(10/250 pcs./box)	1000900	271408012	4054024	9507828	3265363
Sealrite 19 mm	(5/120 pcs./box)	1000950	271408019	4054025	9507829	3265366

Please also see **SAFETY DATA SHEET**.

As we constantly develop our products we reserve the right to make changes without prior notice. The data contained in this datasheet are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any application methods mentioned herein.