

Datasheet

S - PTFE Films & Tapes, sintered

Material:

- PTFE (Polytetrafluorethylene)
- Natural colour

Types:

Each type is determined by thickness and width as follows:

"S-PTFE / (thickness in μm) x (width in mm)", eg.: S-PTFE / 50 x 20

Description of types:

S-PTFE / 50 sintered film, 50 μm
S-PTFE / 100 sintered film, 100 μm

Thickness:

Thickness range: 25 μm - 100 μm

Standard Values Tolerances

- 25 μm 22 - 28 μm
- 35 μm 32 - 38 μm
- 50 μm 47 - 53 μm
- 100 μm 97 - 103 μm

Width: 6 - 190 mm

Typical Properties:

Standard Values			
• Density	(calculated)	g/cm^3	2,15
• Tensile Strength (long.)	ISO 527	N/mm^2	40
• Elongation (long.)	ISO 527	%	330

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Typical Packaging:

- 76 mm ID cores (plastic)
- flat pads or parallel winding on spools



Roll Outer \varnothing , mm

Depending on thickness & width between 150 and 300 mm

Tolerances: -50 mm / +0 mm

Storage & Handling:

Like many other materials, PTFE has a "memory" which will cause the tape to try and recover its original shape. This is particularly an issue with expanded tapes, which try to retract back to their original density. It is very important therefore to store the material in a cool, clean & dry environment where the temperature should ideally stay under +19°C at all times.

Subject to alterations!
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