

Datasheet

PTFE-PEX Films & Tapes, unsintered

Material:

- PTFE (Polytetrafluorethylene), natural / clear
- standard and custom colors
- laser printable (comply with OEM requests for 60% before and 40% contrast after aging)

Types:

Each type is determined by thickness and width as follows:

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

Description of types:

PEX / 50 unsintered film, 50 μm
PEX / 100 unsintered film, 100 μm

Thickness:

Thickness range: 50 μm —254 μm

Standard Values Tolerances

- 50 μm 45 - 55 μm
- 76 μm 71 - 81 μm
- 100 μm 95 - 105 μm
- 254 μm 244 - 264 μm

Width: 1,5 - 200 mm

Typical Properties:

Standard Values

• Density	(calculated)	g/cm^3	1.6
• Tensile Strength (long.)	ISO 527	N/mm^2	15
• Elongation (long.)	ISO 527	%	150

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Typical Packaging:

- 76 mm ID cores (plastic)
- flat pads or traverse 'step pack' winding on spools
- traverse packages allow the user to get more length and narrower widths when needed



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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