

LOW DENSITY ePTFE FILM & TAPE

Standard serious - SS

Low density ePTFE film&tape produce micropore through stretch and under a certain specific and tightly controlled conditions to achieve low dielectric constant and high tensile strength.

It's light, soft, flame retardant and the low dielectric constant makes low density PTFE tapes for high frequency microwave coaxial cable applications in data transfer, military and medical field.



MATERIAL

- *PTFE (Polytetrafluorethylene)
- *Expanded, natural or white
- *Thickness: 0.051mm - 0.254mm
- *Width: 4mm - 200mm
- *Density: 0.50g/cm³ - 0.90g/cm³

FEATURES & APPLICATION

- *High temperature and chemical resistance
- *Flammability resistivity
- *High porosity results in superior dielectric properties
- *High tensile strengths that support fast wrapping speeds
- *Long joint free lengths
- *RoHS and REACH compliant

FOR USE IN

- *Wire and cable insulation for extreme chemical and thermal environments
- *Dielectric material in coaxial cables
- *Binder tape in cable constructions and wire harnesses
- *Convuluted hose constructions
- *And more



TECHNICAL DATA

Thickness	0.0020"	0.0030"	0.0040"	0.0050"	0.0060"	0.0080"	0.0100"
	0.051mm	0.076mm	0.102mm	0.127mm	0.152mm	0.203mm	0.254mm
Tolerance	±0.00020"	±0.00020"	±0.00025"	±0.00030"	±0.00030"	±0.00040"	±0.00040"
	±0.005mm	±0.005mm	±0.006mm	±0.0076mm	±0.0076mm	±0.010mm	±0.010mm
Width	4mm - 200mm						
Density	0.50g/cm ³ - 0.90g/cm ³						
Tensile Strength (minimum)	12 MPa						
Elongation (minimum)	50%						
Joint Free Lengths	> 200m						