

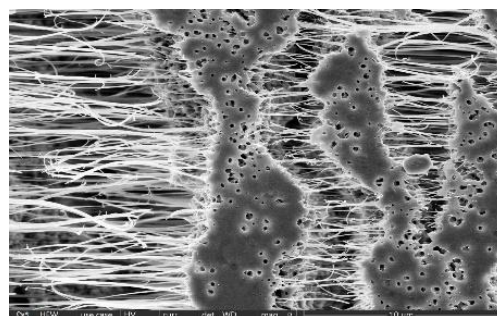


Low Density PTFE Tape

LD-PTFE low-density PTFE tape is a low-density expanded pure PTFE tape strip designed for microwave coaxial cables, high-speed data cables, etc., with low dielectric constant, compression resistance, high flexibility, fast elastic recovery and high tensile strength. In addition to the well-known excellent electrical, thermal and chemical characteristics, LD-PTFE low-density PTFE tape strip mainly improves the attenuation, rated loss, strength, thermal stability and dimensional accuracy of the material, making it more suitable for microwave high frequency, phase stability, low loss, RF cable, high-speed data communication and other high-performance cable applications.

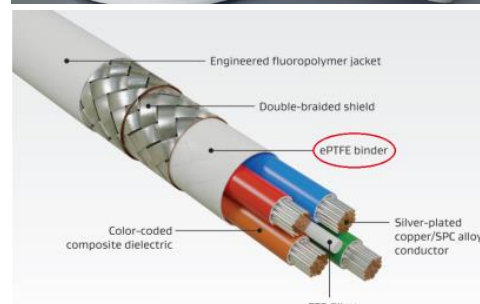
Product Features

- Low dielectric constant (1.3-1.4)
- Adjustable heat shrinkage (5%-30%)
- Excellent dimensional consistency
- Low signal attenuation, high flexibility
- Abrasion resistance: under high load, it has excellent abrasion resistance
- Corrosion resistance: PTFE is virtually immune to chemical corrosion
- Insulation properties: Applications with excellent insulation properties



Application

- Aerospace
- Radar electronics
- Communication cable
- Military equipment
- Medical equipment
- Transportation
- Electrical instrumentation
- Auto parts





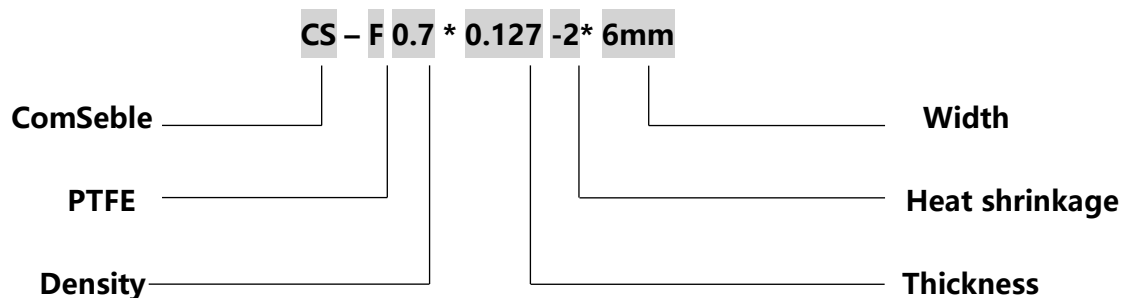
Common Specifications of Product

Product specifications	Thickness/unit	Specification	Tolerance
FD-PTFE	mm	0.051	±0.005
		0.076	±0.005
		0.102	±0.005
		0.127	±0.005
		0.152	±0.007
		0.203	±0.007
		0.254	±0.007
Width (disc)	mm	≥10	±0.1
Width (tube)	mm	≥4	±0.1
Density	g/cm ³	0.5-1.0	±0.05
Length	m	> 500	-

Remarks: The table is the recommended specifications: other specifications can be produced in consultation with customers; The number of meters can be produced according to the tape thickness and customer agreement.

Part Number Description

LD-PTFE Low-Density PTFE Film Tape



Notes

- It is recommended that the product be stored in an environment of 15°C to 28°C and a relative humidity of 40%-65%, and use it best within 12 months of the date of manufacture.



Product performance

Performance	Project		Test method	Unit	Test Value
Physical properties	LD-PTFE-1	Tensile strength	GB/T1040.3-2006	MPa	≥15
		Elongation at break		%	≥100
		Density	GB/T6434-2009	g/cm3	0.5-1.0
		Heat shrinkage	125°C/6h	%	20-30
	LD-PTFE-2	Tensile strength	GB/T1040.3-2006	MPa	≥15
		Elongation at break		%	≥100
		Density	GB/T6434-2009	g/cm3	0.5-1.0
		Heat shrinkage	125°C/6h	%	10-20
	LD-PTFE-3	Tensile strength	GB/T1040.3-2006	MPa	≥25
		Elongation at break		%	≥80
		Density	GB/T6434-2009	g/cm3	0.5-1.0
		Heat shrinkage	125°C/6h	%	≤10
Temperature resistance	Maximum operating temperature		-	°C	≤260
	Minimum operating temperature		-	°C	-150