

FUTUREWAY® FD-PTFE

Full density & unsintered PTFE product

FD-PTFE are full density and unsintered film tapes for high frequency communication cables.

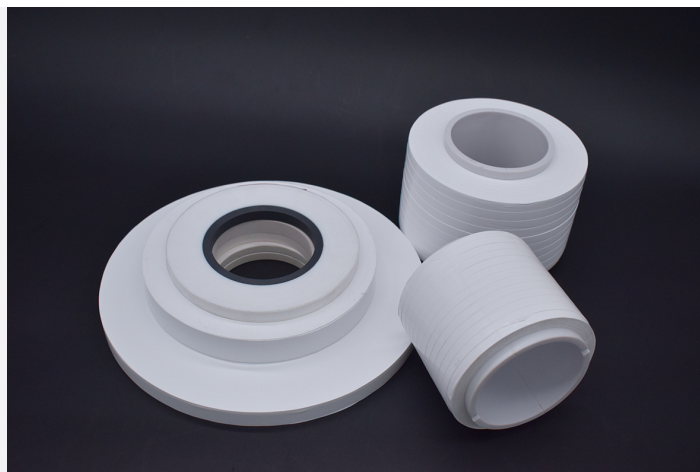
Features and Benefits:

- Low heat shrink (< 10%)
- High-temperature operation
- Low dielectric constant
- High dielectric strength
- Excellent tensile strength and elastic recovery



SHENZHEN FUTUREWAY TECHNOLOGY CO., LTD

Dedicated to be a material expert for customers



FUTUREWAY® FD-PTFE is ideal for:

- RF/microwave coaxial cable
- Low-loss phase-stable cable
- High-temperature cable

PROPERTY	TEST METHOD	VALUE
Density (g/cc)		1.55 ± 0.05
Color		Natural
Thickness (mm/mil)	GB/T 6672-2001	0.051 - 0.254 / 2 - 10
Thickness tolerance (mm)		± 0.005 - ±0.01
Width (mm)	GB/T 6672-2001	2 - 100
Width tolerance (mm)		± 0.2 (W < 10) ± 0.3 (10 < W < 25) ± 0.5 (W > 25)
Tensile Strength (MPa)	GB/T1040.3-2006	> 6
Machine direction		
Enlongation (%)	GB/T1040.3-2006	> 80
Machine direction		
Dielectric strength (kV/mm)	GB/T 1408.1-2006	> 80
Working temperature (°C)		-200/+200
PACKING SPECIFICATIONS		
	FLAT PAD	STEP-PACK
Core diameter (mm)	77	77
Roll width (mm)	Tape width	100
Roll diameter (mm)	150 - 350	100 - 250
Roll width tolerance (mm)	± 0.5	± 2
Remarks	W > 10 mm	No flanges
Running length (m)	250 to 700 (depending on thickness)	

Store the material in a cool, clean, and dry environment where the temperature should stay under 19 °C at all times.

Statement: The information contained in this data sheet is intended to assist you in choice of Futureway materials. It is not intended to and does not create any explicit or implicit guarantees, including any guarantee of marketability of the goods and for special purposes. It is also not guaranteed that users can achieve the results shown in the TDS in specific applications. They will change with different applications. Users should determine the suitability of Futureway materials for each application.

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