

FUTUREWAY® SC-PTFE

Semi-conductive PTFE product

SC-PTFE tapes are specially formulated to dissipate surface static build-up. Their low surface resistivity, high flexural strength, and excellent shielding effectiveness make them ideal for high speed data transmission cables and installation wires.

Features and Benefits:

- Low surface resistivity
- High-temperature operation
- Resistance to chemical attack



FUTUREWAY® SC-PTFE is ideal for:

- Low-loss coaxial cables
- Aviation installation wires
- High-temperature wires

PROPERTY	TEST METHOD	VALUE
Density (g/cc)		2.1 ± 0.1
Color		Dark
Thickness (mm/mil)	GB/T 6672-2001	0.051 - 0.076 / 2 - 3
Thickness tolerance (mm)		± 0.005
Width (mm)	GB/T 6672-2001	2 - 100
Width tolerance (mm)		± 0.2 (W < 10) ± 0.3 (W > 10)
Tensile Strength (MPa) Machine direction	GB/T1040.3-2006	> 10
Elongation (%) Machine direction	GB/T1040.3-2006	> 80
Resistivity (Ωm)	GB/T 1410-2006	1E4 - 1E5
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

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 warranties, including any warranty 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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