

Polyimide Film Tubing



Model Number: SB-PFT

Operating temperature: -60°C ~ +220°C

Structure

PFT tubing is manufactured by twisted polyimide film then adhesives by special glue. The glue possesses similar chemical characteristics with polyester film.

Usage

Main application range: insulation and mechanical protection for soldering, connection, wire harness, transformer, motor, cable, heating element, capacitor, telephone, electrical appliance etc.

Characteristics

Dimension	Inside diameter 2.0-65(mm), Thickness 0.05-1(mm), Length 10-1000(mm)	
Color	light yellow	
Melting point	250°C - 265°C	
Service temperature	-269°C ~ 260°C	
Density	1.42+/-0.02	
Tensile strength	Longitudinal ≥ 130 mpa; Horizontal ≥ 110 mpa	
Water absorption	75% max after 24 hr immersion	
Corrosive on Copper	Negligible	
Solubility in acid, oil, paint, industrial solvents etc.	Undissolved	
Antibacterial, anti corrosive	Excellent	
Tenacity	Excellent	
Cuticle intensity	$\geq 35\%$	
Resistance pressure	50HZ 115MV/min Not perforative	
Visual	Smooth, No fleck	
Surface resistivity: (200°C)	$\geq 1.0 \times 10^{13}$	
Volume resistivity: (200°C)	$\geq 3.8 \times 10^{10}$	
Dielectric coefficient: (50HZ)	3.5	
Dielectric loss: (50HZ)	$\leq 4 \times 10^{-3}$	
Flammability	Slow to self-extinguishing	Burning resistance
Resistance characteristics	Resistance to abrasion, acids, immersion, mildew, industrial solvent, mechanical destroy, Freon and special liquids	
Xylene extraction	<2%	
Environment protection	No harmful to human and environment	

Note: Besides above dimension, we can manufacture other dimension upon request.