

DATA SHEET



KAPTON POLYIMIDE FILM TUBING

Model Number: KPFT

Working temperature: -60°C ~ +220°C

Structure

KPFT 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 0.05-2(mm), Length 10-1800(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 hrs Immersion	
Corrosive on Copper	Negligible	
Solubility in Acid, Oil, Paint, Industrial Solvents tec.	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	

For this product, please contact:

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All information, recommendations and test data herein are offered only as a guide. We believe them to be accurate but do not guarantee results, freedom from patent infringement, suitability of this product for any resultant application.

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