Polyimide Film

PMDA + ODA

Property

Polyimide film is Polyimide Polycondensate by polycondensing PMDA and ODA through the process of forming film in strong solvents and then being treated by imine at high temperature. Such film possesses excellent physical, chemical, and electrical properties, which performs successfully in the wide range of temperature as low as -452F(-269c) and as high as +436F(+260c) and can be exposed at +752F(400c) in short time, besides, it is of atomic radiation resistant. Polyimide film is currently the macromolecular compound with the best-combined properties and the highest heat resistant.

Application

1. Electric magnetic wire and cable coiling, motor slot liners, transformer interlayer insulation.
2. The backing material of pressure-sensitive adhesive tape, F46 (FEP) tapes.
3. The substrates of Flexible Printed Circuits Board (F-PCB).

Main Specification

Item		Units	Chinese Standard			Typical Values
			25,50,75	100,125	150,175	25,50,75,100,125,150,175
Density		--	1.42 ±0.02			1.42 ±0.02
Tensile strength	MD	MPa	min 135			165
	CMD		min115			165
Elongation		%		min 35		60
Shrinkage	150c	%	max	1		-
	400c		max	3		-
Breakdown Strength50Hz		MV/m	min150	min 130	min110	min 170
Surface Resistivity 200c		ohm	min 1.0x10^13			min 1.0x10^13
Volume Resistivity 200c		ohm.m	min 1.0x10^10			min 3.8x10^10
Dielectric Constant 50Hz		--	3.5 ±0.4			3.2
Loss tangent 48~62Hz		--	max 4.0x10^-3			max 1.8x10^-3

Standard No. JB/T2726-1996

Size:

Width: 500,520,660mm, or Cutting to tapes.
Thickness (mm): 0.025, 0.05, 0.075, 0.100, 0.125, 0.150, and 0.175
Tolerance: ±10%
Min Qty: 100kgs each size in a lot.
Packing: 25--50 Kg/carton.

A704 Jinhaian Building, Chuangye Road, Nanshan District, Shenzhen, Guangdong, 518054 China
Tel: + 86 755 2641 7781 Fax: + 86 755 2664 1049
Email: sales@dlftrade.com inquiry@dlftrade.com Website: www.dlftrade.com