

TECHNICAL DATA

7KPST1500 Polyimide film

P. LEO & CO LTD

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Produce feature:

- ◆ High temperature resistance (permanent working temperature over 180°C)
- ◆ Excellent dielectric withstanding
- ◆ Good mechanism property
- ◆ Chemical resist
- ◆ Flame retardant
- ◆ UL approved

Description:

Polyimide film is a good H grade insulating material. It is widely used for insulation purpose in electrical appliances which are used in special environment. To use the polyimide film means reducing volume and weight of the electrical appliances while retaining the same output or increase the capacity without increasing in frame size. It can also prolong the service life of the electrical appliances and increase their reliability.

Technical Details:

Test		Unit	Specification
Thickness		mm	0.150
Density g/cm ³		g/cm ³	1.42 ± 0.02
Tensile strength, MPa	MD	MPa	>135
	TD	MPa	>115
Elongation %		%	>50
Dielectric strength		kV	>13.5
Shrinkage at 400°C, MD and TD		%	<3
Volume Resistance at 200±5 °C		Ohm.m	>10 ¹⁰
Surface Resistance at 200±5 °C		Ohm	>10 ¹³
Dielectric Constant, 48~62 Hz		/	3.5±0.4
Dissipation Factor, 48~62 Hz, max		/	0.004

* The features is tested under room temperature (23°C) unless described

Available:

- Core: 3 inch (76mm) and 6 inch (152mm) paper or plastic core
- Width: 520mm
- Length: 300m without splice