

Insulation Materials

Product Information Sheet

Product

Kapton® XIA00

Product Description

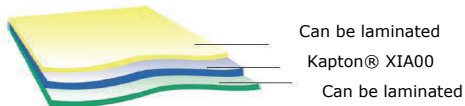
Kapton® XIA00 A polyimide film. Favoured for its excellent operating temperature.

Available in thicknesses 25 – 125 micron.

Key Features

- Excellent Flame resistances
- High thermal index rating (UL94-V0)
- Excellent dielectric properties

Structure of Kapton® XIA00



Film Thickness	-	Micron	25	75	125
Ultimate tensile strength at 23°C at 200°C	ASTM D-882-91 Method A	PSI	33500 20000	33500 20000	33500 20000
Ultimate elongation at 23°C at 200°C	ASTM D-882-91 Method A	%	72 83	82 83	82 83
Thermal conductivity					
Dielectric strength	ASTM D-149-91	V/m kV/mm 60 Hz 1/4 in electrodes 500 V/sec rise	303	205	154
Dielectric constant	ASTM D-150-92	Ohms @ 1kHz	3.4	3.5	3.5
Dissipation factor	ASTM D-150-92	Ohms @ 1 kHz	0.0018	0.0020	0.0026
Operating temperature	-	°C	-296 to 400		

Applications

Kapton® XIA00 used for Electrical, electronic and mechanical parts, fibre optics cable and shims.

The information above is given in good faith and should be considered as a guide not a specification.



BS EN 14644 : 1999
CLEANROOM CLASS 8

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