

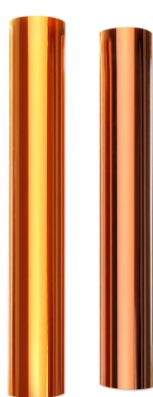
V POLYIMIDE FILM**Product No.:MAF02**

MAF0213/MAF0225/MAF0250/MAF0275

Q-MANTIC® V Polyimide Film is produced by adopting "Biaxial Tension Process" with max. width 1080mm. Its all performance indexes are better than H polyimide, especially Shrinkage and Tensile Strength.

Features

- Excellent thickness tolerance property
- Temp resistance from -452F to over 752F(-269 °C to over 400 °C)
- Excellent of electrical, chemical and physical property
- Flame retardant
- Radiation retardant
- Easy coating property

**Characteristic**

Thickness Nominal (μm)	13	25	50	75
Appearance	Transparent or semi-transparent golden film with smooth and flat surface and without any needle cavities, bubbles or electrically conductive impurities.			
Thickness Tolerance (μm)	+0.5	+1.0	+3.0	+8.0
	-1.0	-1.8	-2.4	-6.0
Density (g/cm ³)	1.42±0.02			
Max. Width (mm)	1080	1080	1080	1030
Tensile Strength (Mpa) ≥	138	165	165	165
Elongation at Rupture(%) ≥	40	40	40	50
Shrinkage (%) ≤	200°C:1.2			
Dielectric Strength (MV/m) ≥	120	235	195	175
Surface Resistivity (Ω) ≥	1.0×10 ¹³			
Volume Resistivity (Ω. m) ≥	1.0×10 ¹⁰			

Application

- Flexible printed circuit boards (F-PCB)
- For wrapping of magnetics wire and cable slot liner insulation
- Interlayer insulation in motor, transformer
- Polyimide adhesive tape or polyimide laminates

Packing and Storage

- Min. slitting width: 6mm
- Core ID: 3" / 6"
- Storage: Keep in room temperature. Remove package before use. Unused parts are wrapped in original packaging to avoid moisture absorption. It is recommended to be used up in 6 months.

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