

## High Tensile Modulus Polyimide Film

### Product No.:MAF06

MAF0605/MAF0607/MAF0610/MAF0625

Q-MANTIC® High Tensile Modulus Polyimide Film is a new generation polyimide film. It is a kind of heat resistant film possessing excellent physical, chemical, and electrical properties. Due to its low CTE, high modulus, perfect dimensional stability, it has been widely used in aerospace, electronics, and electrical industries.

### Features

- High temperature resistance
- Perfect dimensional stability
- Excellent of electrical, chemical and physical property
- High modulus
- Outstanding duration and reliability



### Characteristic

Thickness Nominal(μm)		5	7	10	25
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	±0.5	±0.5	±1
Density(Kg/cm <sup>3</sup> )		1420±20			
Tensile Strength (Mpa)	MD	290	310	280	310
	TD	265	290	250	310
Elongation at Rupture(%) ≥	MD	21	19	19	32
	TD	21	23	19	28
Heat Shrinkage 230 °C 1hour (%)<	MD	0.08	0.06	0.10	0.08
	TD	0.07	0.03	0.10	0.04
Modulus (GPa) >	MD	6.7	6.8	5.6	4.2
	TD	6.6	6.8	5.2	4.3
Chromatic Aberration	L	84±2	84±2	77±2	66±2
	a	1±2	2±2	8±2	21±2
	b	57±4	60±4	68±4	69±4

### Application

- Semi-conductor devices
- Cover lay in FPC/PCB
- FCCL membrane in LED display
- Motor/Generator slot liners

### 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.

