

CPI Polyimide Film

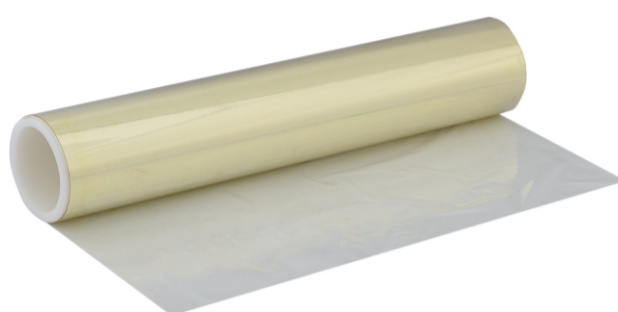
Product No.:F09

MAF09150/MAF09250/MAF09325/MAF09330/MAF09350/MAF09360

Q-MANTIC® Colorless and optically transparent polyimide (CPI) film possesses excellent temperature resistance, dissolution resistance, mechanical properties and excellent light transmission properties; thus has been widely used in aerospace, petrochemical, modern microelectronics and optoelectronics and other fields.

Features

- High light transmission
- Colorless transparent



Characteristic

Type	CPI01-50	CPI02-50	CPI03-25	CPI03-30	CPI03-50	CPI03-60
Thickness Nominal(μm)	50	50	25	30	50	60
Appearance	Colorless, transparent film with smooth and flat surface and without any needle cavities, bubbles or electrically conductive impurities.					
Thickness Tolerance (%)<	±10	±10	±10	±10	±10	±10
Tensile Strength (MPa)	MD 80 TD 72	MD 100 TD 102	MD 144 TD 105	MD 94 MD 99	MD 142 TD 103	MD 118 TD 99
Elongation at Rupture (%)≥	MD 14 TD 11	MD 10 TD 11	MD 28.8 TD 33.3	MD 27 TD 25	MD 27 TD 30	MD 37 TD 25
Heat Shrinkage 230 °C 1hour (%)<	MD 0.15 TD 0.10	MD 0.15 TD 0.10	MD 0.15 TD 0.10	MD 0.18 TD 0.10	MD 0.20 TD 0.20	MD 0.19 TD 0.09
Transmittance(%)≥	85	82	92	92	89	89
Electrical Strength (kv/mm) ≥	169	146	165	212	155	144
Thermal Endurance(°C)	150	200	250	250	250	250

Application

- Protective layer of solar battery
- Semi conductor device
- Liquid crystal display
- Optical equipment

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.

