

Colored Polyimide Film

Product No.:F07

MAF07R25/MAF07R50/MAF07G25

Q-MANTIC® Colored polyimide film is a Green/Red polyimide film which exhibits the main properties of common PI film: high temperature resistance, excellent electrical and mechanical properties. Because of these properties, it has been widely used for wire and cable tapes, transformer, magnetic wire insulation, etc. Besides, the colorful appearance will help the end users to recognize and use it easily.

Features

- Flame retardant
- Radiation resistant
- Chemical stability



Characteristic

Color		Red		Green	
Thickness Nominal(μm)		25	50	25	50
Appearance		Red film with smooth and flat surface and without any needle cavities, bubbles or electrically conductive impurities.		Green film with smooth and flat surface and without any needle cavities, bubbles or electrically conductive impurities.	
Thickness Tolerance(%)		±10	±10	±10	±10
Tensile Strength (MPa)	MD	135	120	210	116
	TD	100	100	148	111
Elongation at Rupture (%)≥	MD	45	60	77	61
	TD	65	70	98	58
Heat Shrinkage 230 °C 1hour (%)<	MD	0.15	0.15	0.10	0.15
	TD	0.10	0.15	0.08	0.09
Electrical Strength (kv/mm) ≥		100	150	151	147
Chromatic Aberration	L	41±2	34±2	56±2	41±2
	a	57±2	37±2	-40±2	-38±2
	b	10±4	1±4	65±4	53±4

Application

- Flexible cable
- Magnet wire
- Heat resistant label
- High temperature color adhesive tape

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.

