



CR Polyimide Film

CR Polyimide Film is CORONA RESISTANCE polyimide film(CR PI),which is to withstand the damage effects of corona, causing ionization and final breakthrough of insulating material or system when voltage pressure is in critical level. As a result, besides properties of polyimide film, CR PI can also resist corona, which has been widely used in the fields of requiring corona resistance. FCR PI also available,which is made of CR PI coated by F46 on single or double sides.

Characters:

- * Corona resistance.
- * Excellent dielectric performance.
- * Higher mechanical strength, better tear resistance and flexibility.
- * Supplied with different sizes

Spec.:

Type	CR-25/CR-50	FCR-25 (single-side F46)	FCRF-25 (double-side F46)
Thickness mm	0.025/0.05±0.003/0.005	0.038±0.003	0.05±0.005
Basic weight g/m ² ±10%	35/70	55	70
Supply size	Supplied in rolls, core diameter: 76mm. Width:6mm--520		

JI customization can also be available.

Typical Properties(The follows are just examples not read as guaranteed values)

Items	Test methods	Units	Typical Value CR-25/50/FCR-25/FCRF-25
1. Visual	The surface should be even and free from wrinkle, blister, adhesive particle		
2. Corona resistance	1KV 20HZ 90°C±2°C	hr	≥75
3. Tensile strength	ASTM/D882	MPa	≥135/100/100
4. Elongation	ASTM/D882	%	≥40/40/40
5. Dielectric strength	ASTM/D149	kV/mm	≥150/130/105
6. Vol. Resistivity,	ASTM/D257	Ω.m	≥1 x 10 ¹⁵
7. Surface Resistivity,	ASTM/D257	Ω	≥1 x 10 ¹⁵
8. Dielectric constant	ASTM/D150		3.5±0.4
9. Dielectric dissipation	ASTM/D150		≤4.0×10 ⁻³
10. Dimensional Stability	IPC TM 650,2.2.4A	%	≤1
11. Peeling strength(F/F)	IEC62068-1-2003	N/25mm	--/6/6
12. Flammability	UL-94		V-0
13. Temperature index	UL746B (Mech.)	°C	230
	UL746B (Elec.)	°C	230

Storage:

The product is packed in reinforced carton and sealed in plastic film bag. Please keep dry and in room temperature. Shelf life is 24 months.

Application:CR Polyimide Film is widely used in traction motor,wind generator,variable frequency motor,electrical rotating machine,high voltage transformer,magnetic wire wrap, high-voltage cable insulation.,requiring corona resistance.

*Note: 1.All of above information is based on our best knowledge, not read as guarantees. Right reserved for corrections.
2. Please contact us if customization requirements.*

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