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Polyimide CR Film

Properties and Applications

Polyimide CR Film is Polyimide corona-resistant film, which obtains the properties of normal polyimide film – excellent electrical property, high temperature and solvent resistant, and also obtains high corona-resistant and heat-conductive property. It can be widely applied for winding insulation of magnet wires for H~C class traction motors, high-voltage motors and generators etc.

Main Specification

Properties		Unit	Values
Thickness		mm	0.025,0.03
Thickness Tolerance		%	≤±10
Width		mm	6~520
Tensile Strength	TD	MPa	≥135
	MD		≥135
Elongation		%	≥ 40
Breakdown Strength		KV/mm	≥ 200
*Corona resistance, hr at voltage1KV, frequency 20KHz temperature 90_±2_, pulse rise time 400ns		h	≥80
*Volume resistivity 200+/-5c(392F)		_·m	≥1x10 ¹⁵
*Surface resistance 200+/-5c(392F)		_	≥1x10 ¹⁵
*Dielectric constant (50Hz)		---	3.5±0.4
*Dielectric loss(50Hz)		---	≤3.5_ 10-3

Note: The items marked * are the inherent properties of Polyimide Film, which are not shown on test reports.

Product supply:

1. Thickness: contact us for special requirement
2. Width: 6~520mm; Core ID: 76mm(3"); Roll OD: 200-240mm

Application:

For wrapping of magnet wires for traction Motor, high-voltage Motor, Generators etc.

Note:

1. Above values are the accumulative typical ones by recognized testing method, but, in order to ensure you to select our products properly, please refer to above specification and test the samples based on your using purpose or feel free to contact our engineers for further and better understanding.
2. The color is only confirmed by samples.