SynFlex Elektro GmbH
Auf den Kreuzen 24
D-32825 Blomberg Germany
Telefon +49-5235-968-0
E-Mail info@synflex.de

## Kapton® CRC polyimide film

Kapton® CRC is a polyimide film specially developed for the effects of partial discharge which may cause ionisation and possible losses of insulating materials.

## Attributes

Kapton® CRC combines the excellent features of Kapton® HN polyimide film with the advantages of a very glow-discharge resistant surface. Using a Kapton® CRC polyimide film improves the resistance of the insulating systems of high-voltage generators or motors significantly.

## Application

- rotating electrical machines
- electrical insulation isolation
- generators
- traction motors
- transformers
- insulation of profile conductors and cables – specially in electrically highly utilized systems

## Standards

- UL liste, File Number E 39505

## Delivery forms

Film thickness in µm:

25

## Base

Polyimide

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Updated 07/21

Kapton® is a registered trade mark of E.I. Du Pont de Nemours and Company

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| Typical mechanical properties | | Test method |
|---|---|---|
| Nominal thickness | 25.4 | |
| Tensile strength longitudinal | 228 | |
| Tensile strength transversal | 228 | |
| Elongation at break longitudinal | 65 | |
| Elongation at break transversal | 65 | |

| Typical electrical properties | | Test method |
|---|---|---|
| Dielectric constant; at 1 kHz, 23 °C | 3.4 | ASTM D150 |

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