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## 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.

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### 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.

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### Application

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

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### Standards

- UL liste, File Number E 39505

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### Delivery forms

Film thickness in µm:

25

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### Base

Polyimide

The information on this data sheet is based on the information provided by our supplier. It does not represent any specification or agreements regarding conditions or properties. The indicated values are standard values. Deviations from those values due to production and application cannot be excluded. The information on this data sheet is addressed to experts who use it at their own discretion and at their own risk. We do not guarantee results, or accept liability for the indicated specifications or for results obtained based on the specifications. Please contact us for more detailed information. Non-toxic and toxic substances are listed on the safety data sheet.  
Updated 07/21

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



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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