SynFlex Elektro GmbH
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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.

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

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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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