

## Technical films

### Flexiso® CR FI 16055

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**Description:** Flexiso® CR FI 16055 is a polyimide film, which is used for electrical insulation.

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**Properties:** The polyimide film Flexiso® CR FI 16055 was especially developed to withstand the damaging effects in electro motors and transformers, e.g. ionization, which can lead to a collapse of the system, if the voltage reaches a critical level. Flexiso® CR FI 16055 maintains its resistance against electrical, thermal, mechanical and physical loads.

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**Applications:** The corona resistant polyimide film is suitable for rotating electrical machines, motors, generators and transformers.

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**Delivery forms:** Flexiso® CR FI 16055 can be delivered on a roll, die-cut or molded part. It can also be laminated with Nomex 410 und Nomex 418. Other delivery forms upon customer request.

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**Storage conditions:** Flexiso® CR FI 16055 should be stored in dry rooms at room temperature in its original packaging.

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## Flexiso® CR FI 16055

Property	Unit	Value			
		25,0	50,0	75,0	100,0
Nominal thickness	µm	25,0	50,0	75,0	100,0
Thickness tolerance	µm	±2,5	±5,0	±7,5	±10,0
Width	mm	520			
Tensile strength	MPa	≥165			
Elongation	%	≥30			
Corona resistance at 20 kV/mm 50 Hz	H	>60000			
Dielectric strength	kV/mm	≥150			
Contact resistance	Ω.cm	≥1.0x10 <sup>16</sup>			
Surface resistance	Ω	≥1.0x10 <sup>16</sup>			
Shrinkage at 150°C	%	≤0,20			

**Trademark information:** Flexiso® is a registered trademark of the company Dr. Dietrich Müller GmbH, Germany.

**Please note:**

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and the user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

Dr. Dietrich Müller GmbH