

electrical insulation material

Flexiso® CR FI 16055

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

Properties: Flexiso® CR FI 16055 was specifically developed to withstand damaging impacts in electro motors and transformers, e.g. an ionization, which may cause a collapse of the system, if the voltage reaches a critical level. Flexiso® CR FI 16055 maintains the resistance towards electric, thermal, mechanic and physical exposure.

Application: The coronaresistant polyimide film is very suitable for use in rotating, electric machines, motors, generators and transformers.

Colour: amber

Delivery forms: Flexiso® CR FI 16055 is available as a die-cut or molded part. It can also be laminated with Nomex 410 and Nomex 418. Other delivery forms upon customer request.

Storage conditions: Flexiso® CR FI 16055 should be stored in a dry environment, at room temperature in its' original packaging.

Flexiso® CR FI 16055

Properties	Unit	Value			
		25,0	50,0	75,0	100,0
Thickness	µm	25,0	50,0	75,0	100,0
Tolerance	µm	±2,5	±5,0	±7,5	±10
Width	mm	520			
Tensile strength	MPa	≥165			
Elongation	%	≥30			
Coronaresistance at 20 kV/mm 50 Hz	H	>60000			
Dielectric strength	kV/mm	≥150			
Electrical resistance	Ω.cm	≥1.0x10 ¹⁶			
Surface resistance	Ω	≥1.0x10 ¹⁶			
shrinkage	%	≤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