

Technical films

Flexiso® FN FI 16090

Description: Flexiso® FN FI 16090 is a polyimide film, which can be coated with FEP on one or both sides.

Properties: Flexiso® FN FI 16090 is a resistant and special polyimide film, that withstands the devastating effects, e.g. ionization. It also has a moisture barrier and a high chemical resistance.

Applications: This Insulation film is used for electrical for electrical insulation of motors, transformers, wires and cables and coils. The FEP-coating melts and Flexiso® FN FI 16090 will be glued to itself or to the coil.

Colour: amber, transparent, semi-transparent

Storage conditions: Flexiso® FN FI 16090 should be stored in dry rooms at room temperature in its original packaging.

Flexiso® FN FI 16090

Property	Unit	Value		
Nominal thickness	µm	40,0	50,0	75,0
FEP-thickness	µm	7,5	12,5	12,5
PI-film thickness	µm	25,0	25,0	50,0
Tensile strength	MPa	≥120	≥130	≥130
Elongation	%	≥55		
Dielectric strength	MV/m	≥130		
Peel strength	N/25 cm	≥6		
Surface resistance	Ω	≥1,0 x 10 ¹³		
Volume resistance	Ω x cm	≥1,0 x 10 ¹⁵		
Voltage constant		2,5~3,5		
Stress factor		≤4,0 x 10 ⁻³		

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.