

## electrical insulation material

### Flexiso® FN FI 16090

---

**Description:** Flexiso® FN FI 16090 is a polyimide film, which has a one- or both sided FEP-coating.

---

**Properties:** Flexiso® FN FI 16090 is a durable and special polyimide film, which withstands the destructive effects of ionization. It offers a moisture-barrier and high chemical resistance.

---

**Application:** Flexiso® FN FI 16090 is used for electric insulations of motors, transformers, wires and cables, as well as coils. The FEP-coating melts and glues Flexiso® FN FI 16090 with itself or the winding together.

---

**Colour:** amber, transparent, semi-transparent.

---

**Delivery forms:** Flexiso® FN FI 16090 is available as a die-cut or molded part, customized cut, tape or roll as well as self-adhesive. Other delivery forms or measurements upon customer request.

---

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

---

Dr. Dietrich Müller GmbH

## Flexiso® FN FI 16090

Properties	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		
Puncture strength	MV/m	≥130		
Peel strength	N/25 cm	≥6		
Surface resistance	Ω	≥1,0 x 10 <sup>13</sup>		
Volume resistance	Ω x cm	≥1,0 x 10 <sup>15</sup>		
Voltage stability	-	2,5~3,5		
Voltage factor	-	≤4,0 x 10 <sup>-3</sup>		

**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.