

## Flexible electrical insulation materials

### Flexiso® PT FI 16075

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**Structure:** Flexiso® PT FI 16075 is a transparent polyimide film.

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**Properties:** Flexiso® PT FI 16075 has a very high temperature resistance, chemical resistance and electrical values.

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**Applications:** Flexiso® PT FI 16075 is used in many different industrial sectors, for example in loudspeakers, OLEDs, OPVs, PCBs and in aviation.

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**Standard colour:** Flexiso® PT FI 16075 is supplied in transparent.

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**Forms of delivery:** Flexiso® PT FI 16075 is supplied in the form of punched and moulded parts, as cut-to-size pieces or strips and on rolls. Other delivery forms and dimensions on request.

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**Storage conditions:** Flexiso® PT FI 16075 should be stored in dry rooms at room temperature and in its original packaging.

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## Flexiso® PT FI 16075

Properties	Unit	Value						
		13	15	20	25	50	75	100
Thickness	µm	13	15	20	25	50	75	100
Tolerance	µm	±2,5	±2,5	±2,5	±2,5	±5	±7,5	±10
Tensile strength	MPa	≥150						
Elongation	%	≥40						
Glass transition temperature	°C	265 ~ 285						
Dielectric strength	MV/m	≥160						
Contact resistance 200°C	Ωcm	≥1,0 x 10 <sup>12</sup>						
Voltage constancy		3,5 ± 0,4						
Tension factor		≤4,0 x 10 <sup>-3</sup>						
Yellow factor		3,5 – 4,0						
Degree of permeability								
450nm	%	84,1						
500nm		86,5						
550nm		87,1						
300-900nm		70,80						

**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 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