

# Electrical insulation materials

## Flexiso® HF FI 16040

**Composition:** Flexiso® HF FI 16040 is a technical film, which is made of polyimide.

**Property:** Flexiso® HF FI 16040 provides both thermal and anti-static control and retains all the outstanding inertness, radiation and temperature resistance, which are the reasons for the suitability of Flexiso® HF FI 16040 for extreme environments.

**Applications:** Flexiso® HF FI 16040 is used for a variety of insulation functions in electrical engineering, e.g. for the satellite blankets, opaque cover-layers, radiant heat absorber, voice coil for loudspeakers, anti-static tapes and anti-static shielding materials.

Property	Unit	Value			
Thickness	µm	25	50	75	100
Thickness tolerance	µm	±2.5	±5.0	±7.5	±10.0
Width	mm	520			
Tensile strength	MPa	≥110			
Elongation	%	≥35			
Surface resistivity	Ω/sq	1X10 <sup>5</sup> ~ 1X10 <sup>7</sup>			
Shrinkage at 150°C	%	≤0.30			

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

Dr. Dietrich Müller GmbH

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**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.

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Dr. Dietrich Müller GmbH