

Dr. Dietrich Müller GmbH, Zeppelinring 18, D-26197 Ahlhorn

## Thermally Conductive Products

### Thermiflex<sup>®</sup> TF 21403

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**Structure:** Thermiflex<sup>®</sup> TF 21403 is based on a polyimide substrate material and an acrylic adhesive.

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**Characteristics:** Thermiflex<sup>®</sup> TF 21403 has an excellent thermal conductivity at high temperatures (0.37 W/mK) with very good insulating properties through the polyimide film. With the capability of adhesive bonding a light and clean pre-assembly is possible.

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**Application:** Thermiflex<sup>®</sup> TF 21403 is used to ensure the heat dissipation from electronic power modules.

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**Colour:** Thermiflex<sup>®</sup> TF 21403 is available in brown opaque as standard.

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**Form of Supply:** Thermiflex<sup>®</sup> TF 21403 is supplied on rolls (up to 1000 mm wide).

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**Storage Conditions:** Thermiflex<sup>®</sup> TF 21403 can be stored for at least 6 months in cool and dry conditions (20°C, 50% r. H.)

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Stand October 2014

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info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Sitz der Gesellschaft: Ahlhorn  
Geschäftsführer: Heinz-Jürgen Siebert | AG Oldenburg: HRB 209026 | Ust. ID-Nr.: DE 295969093  
St.-Nr.: 68/207/07677 | Zertifiziert nach DIN EN ISO 9001:2008 | UL anerkannter Repacker E341377

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- Elektroisierstoffe
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## Thermiflex® TF 21403

Technical Data	Norm	Unit	Value
Total Thickness	-	mm	0.078
Colour	-	-	Brown
Adhesive Strength	-	N10/mm	2
Flammability	UL 94	-	Bu 1
Tensile Strength	-	N10/mm	50
Elongation	ASTM D412	%	20
Long-term Exposure	EN344	°C	-60 to +200
Dielectric Strength	VDE 0303	Kv/mm	≥8.0
Thermal Conductivity	ASTM E1461	W/m.k	0.37

**Trademark Information:** Thermiflex® 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.

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