

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

Thermally Conductive Products

Thermiflex[®] TF 21404

Structure: Thermiflex[®] TF 21404 consists of a Polyimide film coated with wax on both sides.

Characteristics: Thermiflex[®] TF 21404 has excellent thermal conductivity (0.45 W /mK) with very good insulating properties at high temperatures. Due to the Wax (55°C Flow Temperature) Thermiflex[®] TF 21404 has a good heat transfer.

Application: Thermiflex[®] TF 21404 is used for heat dissipation to ensure the performance of electronic assemblies.

Colour: Thermiflex[®] TF 21404 is available in brown opaque as standard.

Form of Supply: Thermiflex[®] TF 21404 is supplied on rolls (up to 1000 mm wide).

Storage Conditions: Thermiflex[®] TF 21404 can be stored for at least 6 months in cool and dry conditions (20°C, 50% r. H.)

Stand November 2014

Zeppelinring 18 | D-26197 Ahlhorn | Tel.: +49 (0) 4435 97 10 10 | Fax: +49 (0) 4435 97 10 11
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

Dr. Dietrich Müller GmbH

- Elektroisierstoffe
- Dichtungen
- Wärmeleitprodukte
- Technische Folien

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

Thermiflex® TF 21404

Technical Data	Norm	Unit	Value
Total Thickness	-	mm	0.085
Type of Adhesive	-	-	Copolymerwachs
Colour	-	-	brown
Temperature Limit	-	°C	180
Temperature Limit		N10/mm	60-75
Tensile Strength	ASTM D412	%	50-60
Flow Temperature of Copolymerwachses	-	°C	55
Dielectric Strength	ASTM D149	Kv/mm	≥7.0
Thermal Conductivity	ASTM E1461	W/mk	0.45

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.

Stand November 2014

Zeppelinring 18 | D-26197 Ahlhorn | Tel.: +49 (0) 4435 97 10 10 | Fax: +49 (0) 4435 97 10 11
 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

Dr. Dietrich Müller GmbH

- Elektroisierstoffe
- Dichtungen
- Wärmeleitprodukte
- Technische Folien