

**Declaration of Conformity according to Regulation (EU) No. 10/2011 Annex IV and Article 15**  
on plastic materials and articles intended to come into contact with food

**Issued by:** BWF Tec GmbH & Co. KG  
Bahnhofstraße 20  
89362 Offingen  
Germany

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**For the following products:** needlon<sup>®</sup> Polyester needle felts "FoodTec<sup>®</sup>" with specific weights of 250 to 550 g/m<sup>2</sup>. The product is an intermediate which will be finished by a further manufacturer to filter elements as pockets or bags.

**Manufactured by:** BWF Tec GmbH & Co. KG  
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**Confirmation:** The Polyester needle felts are in accordance with the following legal requirements:

- Regulation (EC) 1935/2004 (food contact materials)
- Regulation (EU) 10/2011 (plastic food contact materials)
- Lebensmittel- und Futtermittelgesetzbuch - LFGB (German Food and Feed Code)
- German "Bedarfsgegenständeverordnung" (German Foods and Commodities Ordinance)
- Regulation (EC) 2023/2006 (GMP-Regulation)
- Recommendation of the Federal Institute for Risk Assessment (BfR) XXXVI. Paper and board for German food contact (coating)

The conformity has been established by migration testing of the final product Polyester needle felt in accordance with the requirements of the Regulation (EU) 10/2011.

**List of substances:** Substances used or products of degradation thereof for which restrictions and/or specifications are set out in annexes I and II of Regulation (EU) 10/2011.

<b>Substance</b>	<b>Source of information (EU) 10/2011</b>	<b>FCM-Substance-No</b>	<b>SML resp. SML (T)</b>
ethyleneglycol	Annex I tab. 1 and 2	227	30 mg/kg expressed as ethyleneglycol
diethyleneglycol	Annex I tab. 1 and 2	263	30 mg/kg expressed as ethyleneglycol
terephthalic acid	Annex I tab. 1 and 2	785	7.5 mg/kg expressed as terephthalic acid
antimony (Sb)	Annex I tab. 1	398	0.04 mg/kg



At our German and Chinese site, we are certified under the ISO 9001 quality management system, the ISO 14001 environmental management system and the OHSAS 18001 occupational health and safety management system. At our German site, we are also certified under the ISO 50001 energy management system.

Kommanditgesellschaft: Sitz Offingen, Amtsgericht Memmingen, HRA 1929  
Persönlich haftende Gesellschafterin: BWF Tec Geschäftsführungs-GmbH,  
Sitz Offingen, Amtsgericht Memmingen, HRB 1987  
Geschäftsführung: Dipl. Oec. Stefan Offermann, Dr. Philipp von Waldenfels

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**Conformity with restrictions set out in the list of substances:**

The specific limits of migration are respected under the following test conditions (per 6 dm<sup>2</sup> needle felt per kg food):

Substance	Test conditions	Results	SML / SML (T)
ethyleneglycol	6 h, 100 °C, food simulant E; GC-MS / GC-FID	< 0.01 mg/dm <sup>2</sup>	5 mg/dm <sup>2</sup>
terephthalic acid	6 h, 100 °C, food simulant E; GC-MS / GC-FID	< 0.01 mg/dm <sup>2</sup>	1.3 mg/dm <sup>2</sup>
antimony (Sb)	6 h, 100 °C, food simulant E; ICP-MS	< 0.03 µg/dm <sup>2</sup>	6.67 µg/dm <sup>2</sup>

**Conformity with the overall migration limit:**

The overall migration limit is respected under the following test conditions (per 6 dm<sup>2</sup> needle felt per kg food):

Test simulant	Test conditions	Results	Overall migration limit OML
E	6 h, 100 °C	0.5 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>

**Explanatory note:** Due to the diverse fields of application a worst case scenario was chosen for the test conditions.



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**Specifications on the use of the material or article**

*types of food with which it is intended to be put into contact:*

Dry food in powder form

*time and temperature of treatment and storage in contact with the food:*

The Polyester needle felts are used in the food production as filter media for the removal of dust. The precise time and the maximum temperature to be reached may differ case by case. A prolonged contact time as usual in the storage or packaging of food is not foreseen.

*ratio of food contact surface area to volume used to establish the conformity of the material of article:*

6 dm<sup>2</sup>/kg according to article 17 para. 2 Regulation (EU) 10/2011

**Multi-layer / Barrier:**

The filter medium contains no functional barrier.

**Important remarks:**

The BWF Tec GmbH & Co. KG has no impact on further manufacturing and finishing of the Polyester needle felts. The subsequent manufacturer/supplier is responsible in person for testing and declaring the conformity of the finished product.



Dr. Philipp v. Waldenfels  
Managing Partner



Simon Kreiner  
Process & Application Engineer



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