

## DECLARATION OF COMPLIANCE FOR SEMI-FINISHED PRODUCTS INTENDED TO COME INTO CONTACT WITH FOOD

**Date of issue:** 21. May 2024 <sup>1)</sup>

Vink Plast ApS hereby declare that:

**Ketron 1000 PEEK FCM black, round rods and plates and finished parts machined from these products by Vink Plast ApS <sup>2)</sup>:**

### European Union and China

- Comply with the requirements of the articles 3, 11(5), 15 and 17 of the regulation (EC) no. 1935/2004
- Comply with the relevant requirements in Regulation (EU) 10/2011 as amended up to and inclusive the commission Regulation (EU) no. 2023/1627
- Comply with the requirements of GB 4806.1-2016
- Comply with the relevant requirements of GB 9685-2016 and GB 4806.7-2016 and their relevant announcements
- Are manufactured and handled according to good manufacturing practice (GMP) as set out in the (EC) 2023/2006 of 22 December 2006 on good manufacturing practice for materials and articles intended to come into contact with food.
- Are manufactured according to Good Manufacturing Practice (GMP) as set out in GB 31603-2015
- Comply with declaration 681/2020/DK

Based on the migration tests performed on the products according to Regulation (EU) 10/2011 as amended, GB 4806.7-2016, GB 5009.156-2016 and GB 31604.1-2015, the sensory index, the overall migration, potassium permanganate consumption, decolorization, heavy metal fraction as well as the specific migration does not exceed the legal limits set out in Regulation (EU) 10/2011 and 4806.7-2016, when used as specified below.

Specification on the intended use of the products:

- Type(s) of food intended to come into repeated contact with the material:
  - **All types of food.**
- Type(s) of food not intended to come into repeated contact with the material:
  - **Not applicable**
- Time and temperature of treatment and storage when in contact with the food:
  - Overall migration tests run under the standardized testing conditions
    - 10 % ethanol (v/v) (4 hours at reflux temperature)
    - 50 % ethanol (v/v) (4 hours at reflux temperature)
    - 3 % acetic acid (w/v) (4 hours at reflux temperature)
    - 4 % acetic acid (w/v) (4 hours at reflux temperature)
    - Vegetable oil (2 hours at 175 °C) <sup>4)</sup>
  - Specific migration tests run in
    - 3 % acetic acid (4 hours at reflux temperature)
    - 4 % acetic acid (4 hours at reflux temperature)
    - 10 % ethanol (4 hours at reflux temperature)
    - 50 % ethanol (4 hours at reflux temperature)
    - Vegetable oil (2 h at 175 °C) <sup>4)</sup>
  - Visible migration tests run according to the analytical method described in the Appendix of European Resolution AP (89)1, "On the use of colorants in plastic materials coming into contact with food," dated September 13, 1989, under III.1.
- Ratio of food contact surface area to volume (S/V) used to establish the compliance of the Products:
  - S/V 6 dm<sup>2</sup>/kg

The results of the overall migration test are expressed in the table below:

10 % ethanol (v/v)	50 % ethanol (v/v)	3 % acetic acid (w/v)	4 % acetic acid (w/v)	Vegetable oil
0.6 mg/dm <sup>2</sup>	< 0.5 mg/dm <sup>2</sup>	0.7 mg/dm <sup>2</sup>	< 0.5 mg/dm <sup>2</sup>	< 1.0 mg/dm <sup>2</sup>

The following substances subject to restrictions under Regulation (EU) 10/2011 and GB 4806.6-2016 as amended, are used in the products:

Chemical name of substances:	Restrictions:
4,4'-Difluorobenzophenone (CAS no. 000345-92-6)	SML = 0.05 mg/kg
1,4-Dihydroxybenzene (CAS no. 000123-31-9)	SML = 0.6 mg/kg
Proprietary substances <sup>3)</sup>	

The following substances, identified as dual use additive under Regulation EU 10/2011 as amended, are used in the products:

Chemical name of the substances
Proprietary substances <sup>3)</sup>

A risk assessment of the Non-Listed Substances (NLS), such as catalysts and Non-Intentionally Added Substances (NIAS), such as reaction and degradation products has been performed in accordance with Article 3 of the Framework Regulation ((EU) 1935/2004) and article 19 of the Plastic Regulation ((EU) 10/2011) and Article 3.5 of GB 4806.1-2016 based on the conditions mentioned above.

## United States

We hereby provide the following information on the compliance status of the raw materials used at present by the producer for the manufacture of the stock shapes mentioned above, with respect to their composition, as set out in regulations that apply in the United States of America (FDA) for plastic materials and articles intended to come into contact with foodstuffs:

- Ketron 1000 PEEK FCM black complies with the compositional requirements of the FDA regulations 21 CFR § 177.2415 "Poly(aryletherketone) resins."  
 Based on their composition, Ketron 1000 PEEK FCM black stock shapes may basically be used for the manufacture of articles or components of articles intended for repeated food-contact use with all types I to IX, except with infant formula and breast milk, under conditions of use A to H as defined in tables 1 and 2 in 21 VFR 176.170 (c), respectively.

## Japan

Based on the compliance status of the raw materials used at present by the manufacturer, for the manufacture of the stock shapes mentioned above, with respect to their composition, as set out by the Japan's Ministry of Health, Labour & Welfare (MHLW) in the Official Notification (Notification no. 196 of 2929) of 28 April 2020 for utensils, containers and packaging intended to come into contact with food stuffs:

- Ketron 1000 PEEK FCM black complies with the compositional requirements of the 'Base polymers (Plastics)' and 'Additives' Japan food contact positive lists. Based on their composition, Ketron 1000 PEEK FCM black stock shapes may basically be used for the manufacture of articles or components of articles intended for food contact use with all food types, under maximum temperature conditions III.

It remains the responsibility of the customer putting the plastic article manufactured from the products into the intended use, to assess the final suitability of the plastics material for the intended food contact application; i.e. checking if the physical properties of the plastics material make it suitable for the intended application, checking compliances of the

finished plastic article with the relevant migration limits, checking for possible influence of the plastics material on the composition and/or organoleptic properties of the contacting foodstuff, etc.

**Notes:**

- <sup>1)</sup> This declaration expires 5 years after its date of issue or in case of regulatory or compositional changes which require reevaluation. Please always contact Vink Plast' customer service for latest version. For information about available dimensions, please contact Vink Plast' customer service.
- <sup>2)</sup> Regulation (EC) no. 1935/2004 of the European Parliament and the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC – Article 16 and National Atandard for Food Safety GB 4806.1-2016 General safety requirement for food contact materials and articles – Article 2.1.
- <sup>3)</sup> Substances subject to restrictions under Regulation EU no. 20/2011 as amended are used in the products. Upon request, the identity of these substances can be disclosed to third parties (e.g. test laboratories) under the terms of a Non-Disclosure Agreement.
- <sup>4)</sup> Specific migration tests in vegetable oil (2 h at 175 °C) being replaced by tests in isooctane (4 h, 60 °C), 95 % ethanol (6 h, 60 °C) and MPPO (2 h, 175 °C) in accordance with Directive 82/711/EEC as vegetable oil is technically not feasible with the used methods of analyses.

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