

Declaration of Compliance with Food Contact Regulations

Date of declaration: September 2, 2015

EXTRUFLEX S.A.S. hereby declares that the supplied semi-finished products:

Food Contact Flex Vinyl REF433 strips and sheets

are designed to come into contact with food and they

- comply with the requirements of Regulation EC 1935/2004, dated October 27, 2004
- comply with the relevant requirements of Regulation EU 10/2011, dated January 14, 2011
- are manufactured in accordance with Good Manufacturing Practice (GMP) as set out in Regulation EC 2023/2006, dated December 22, 2006.



Compliance with overall migration

The above-mentioned product has been independently tested for overall migration with the simulants and test conditions listed below as defined in Regulation EU 10/2011. The product was exposed to each simulant three times to comply with repeated use requirements.

The overall migration results were found to be below the limits defined in Regulation EU 10/2011, which is currently defined as 10 mg/dm², in the following test conditions:

Simulant	Contact time and temperature	Intended use
Acetic acid 3%	2 days at 20-22 °C	For repeated use
Acetic acid 3%	30 min at 70 °C	For repeated use
Ethanol 10%	2 hours at 20-22 °C	For repeated use
Ethanol 95%	15 minutes at 20-22 °C	For repeated use
MPPO	2 days at 20-22 °C	For repeated use

According to Test Report FUFDCP2015-09078-1, FUFDCP2015-08968-1, FUFDCP2015-08967-1, INTERTEK, Fürth, Germany, available on request from EXTRUFLEX S.A.S.

Compliance with specific migration

The above-mentioned product was manufactured exclusively with the authorized substances (polymer, pigments and additives) specified in the aforementioned regulations. The composition and individual SML (specific migration limits) of all the ingredients used in the semi-finished product can be obtained on request from EXTRUFLEX S.A.S. for testing in conditions other than those defined above.





Racing ahead for safety and environment

Conditions of use

The product is suitable for repeated use applications only and is not intended for single use applications such as food packaging.

Responsibility on the part of the Purchaser

As a semi-finished product, it is the purchaser's responsibility to verify the suitability of the plastic material components made for or from our products for the intended use in the food preparation area:

- whether the physical characteristics of the plastic material are appropriate for the intended food,
- compliance with the migration limits,
- possible influence of the material on the chemical characteristics of the food,
- compliance with the requirements of statutory regulations,
- the need for appropriate cleaning of the produced work pieces prior to the first contact with food⁽¹⁾,
- to note in writing the complete restrictions of use related to the intended application to the user.

It is the purchaser's responsibility to ensure traceability of the material during any subsequent use up to and including the finish machined part as well as the equipment in which it is assembled.

Validity of the declaration:

This declaration of compliance relates exclusively to the product specified herein in the condition in which it was placed on the market. Any additional components, handling operations or modifications carried out subsequently are expressly excluded. The present declaration ceases to be valid in the event that the use of the product is not in compliance with local regulations or with the declaration by EXTRUFLEX.

This declaration of compliance is only valid for the semi-finished products that bear the EXTRUFLEX logo and the label 'Food Contact Flex Vinyl' with the unique production identification of the roll that allows traceability of the product.

M. Jacques VALAT
President & CEO

M. Guillaume TEISSEBRE
R&D Manager

⁽¹⁾The product must be washed with soap and water before first contact and at regular intervals or at least once a week while in use, or in accordance with best practice.



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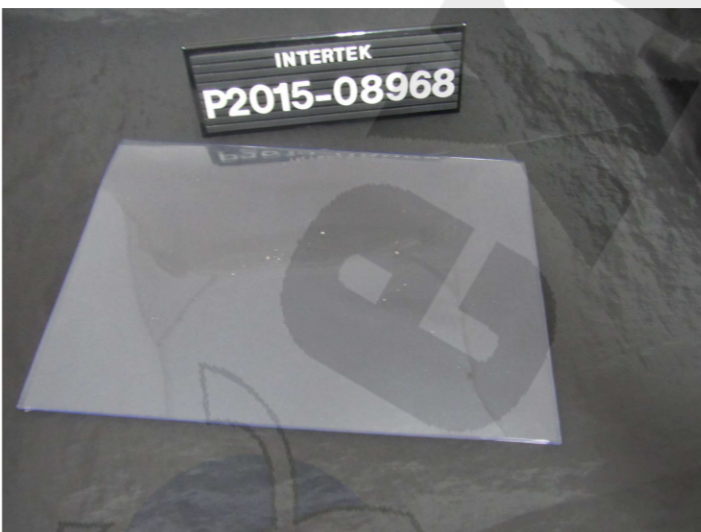
Fürth, 01.09.2015

Test report No FUFDCP2015-08968-1

General note: Copying this test report partially is permitted only in agreement with the contracted lab. The tests results refer only to the tested item. This report consists of 4 page(s). Test methods marked with * are not listed in our accreditation document. **subcontract

Sample description: **REF433 – 300 x 3**

Sample entry: 04.08.2015
Testing period: 04.08. – 01.09.2015
Sampling through client
Head of analytical Department: Christoph Dorsch
Testing according to client's request



Results:

1. Sensory testing

Method: § 64 LFGB L 00.90-6

Testing conditions: Water _{demin}

Evaluation (average)

Sample	(15 min / 20-22°C)
Appearance of simulant	0
Odour of simulant	2 (like Isophoron, "arm floats")
Taste of simulant	1
Status	passed

Evaluation scale

0 = no aberration, neutral

1 = very slight deterioration, barely perceivable

2 = slight deterioration

3 = significant deterioration

4 = strong deterioration

Requirement: no significant deterioration (Limit: 2.5)

#Not tested due to reasons of employment protection (very strong aberration of odour)

2. Physical and Chemical Testing

2.1. Global migration

Method: DIN EN 1186

Limit of quantification: 1.0 mg/dm² n.d. = not determinable

Inaccuracy of measurement: ± 2 mg/dm²

Requirement max. 10 mg/dm²

a) Testing conditions: Acetic acid 3%

Sample	(2d / 20-22°C)	(0.5h / 70°C)
Global migration mg/dm ²	1.3	1.0
Status	passed	passed

b) Testing conditions: Ethanol 10%

Sample	(15 min / 20-22°C)	(1h / 20-22°C)	(2h / 20-22°C)
Global migration mg/dm ²	1.7 [#]	1.9 [#]	n.d. [#]
Status	passed	passed	passed

#result after the 3rd cycle of migration

c) Testing conditions: Ethanol 95%

Sample	(5 min / 20-22°C)	(15 min / 20-22°C)
Global migration mg/dm ²	5.4 [#]	7.2 [#]
Status	passed	passed

[#]result after the 3rd cycle of migration

2.2. Global migration – MPPO - TENAX

Method: DIN EN 1186 mod.*

Limit of quantification: 1.0 mg/dm² n.d. = not determinable

Inaccuracy of measurement: ± 3 mg/ dm² MPPO

Testing conditions: MPPO (2d / 20-22°C)

Sample	
Global migration mg/dm ²	1.2

Requirement for simulants A, B, C, D1 and D2: 10 mg/dm²

2.3. Specific migration of phthalates

Method: DIN EN 13130-1 / PV_C_01.15.02_Phthalate_07-06 (2014-02)

Testing conditions: Ethanol 95% (15 min / 20-22°C)

LOQ = Limit of quantification n.d. = not determinable

Phthalates in mg/kg

Parameter	Sample	LOQ	Spec. migration limit
Dibutylphthalate	n.d.	0.3	0.3
Benzylbutylphthalate	n.d.	10	30
Bis-(2-ethylhexyl)phthalate	n.d.	1.5	1.5
Di-n-octylphthalate	n.d.	3	—
Diisononylphthalate	n.d.	3	9
Diisodecylphthalate	n.d.	3	
Status	passed		

2.4. Specific Migration of vinyl chloride

Method: DIN EN 13130-1 / GC-MS*

Testing conditions: Water_{demin}

Limit of quantification: 0.005 mg/kg n.d. = not determinable

Sample	(2 d / 20-22 °C)	(15 min / 20-22 °C)
vinyl chloride mg/kg	n.d.	n.d.
Status	passed	passed

Requirement max. 0.01 mg/kg

Intertek Consumer Goods GmbH



Christoph Dorsch
Deputy lab manager food contact

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Fürth, 01.09.2015

Test report No FUFDCP2015-09078-1

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Sample description: **REF433 – 200x2**

Sample entry: 06.08.2015
Testing period: 06.08. – 01.09.2015
Sampling through client
Head of analytical Department: Christoph Dorsch
Testing according to client's request



Results:

1. Sensory testing

Method: § 64 LFGB L 00.90-6

Testing conditions: Water _{demin}

Evaluation (average)

Sample	(15 min / 20-22°C)
Appearance of simulant	0
Odour of simulant	2 (like Isophoron, "arm floats")
Taste of simulant	1.5
Status	passed

Evaluation scale

0 = no aberration, neutral

1 = very slight deterioration, barely perceivable

2 = slight deterioration

3 = significant deterioration

4 = strong deterioration

Requirement: no significant deterioration (Limit: 2.5)

#Not tested due to reasons of employment protection (very strong aberration of odour)

2. Physical and Chemical Testing

2.1. Global migration

Method: DIN EN 1186

Limit of quantification: 1.0 mg/dm² n.d. = not determinable

Inaccuracy of measurement: ± 2 mg/dm²

Requirement max. 10 mg/dm²

a) Testing conditions: Acetic acid 3%

Sample	(2d / 20-22°C)	(0.5h / 70°C)
Global migration mg/dm ²	n.d.	n.d.
Status	passed	passed

b) Testing conditions: Ethanol 10%

Sample	(15 min / 20-22°C)	(1h / 20-22°C)	(2h / 20-22°C)
Global migration mg/dm ²	n.d. [#]	n.d. [#]	1.4 [#]
Status	passed	passed	passed

#result after the 3rd cycle of migration

c) Testing conditions: Ethanol 95%

Sample	(5 min / 20-22°C)	(15 min / 20-22°C)
Global migration mg/dm ²	3.9 [#]	9.4 [#]
Status	passed	passed

[#]result after the 3rd cycle of migration

2.2. Global migration – MPPO - TENAX

Method: DIN EN 1186 mod.*

Limit of quantification: 1.0 mg/dm² n.d. = not determinable

Inaccuracy of measurement: ± 3 mg/ dm² MPPO

Testing conditions: MPPO (2d / 20-22°C)

Sample	
Global migration mg/dm ²	4.0

Requirement for simulants A, B, C, D1 and D2: 10 mg/dm²

2.3. Specific migration of phthalates

Method: DIN EN 13130-1 / PV_C_01.15.02_Phthalate_07-06 (2014-02)

Testing conditions: Ethanol 95% (15 min / 20-22°C)

LOQ = Limit of quantification n.d. = not determinable

Phthalates in mg/kg

Parameter	Sample	LOQ	Spec. migration limit
Dibutylphthalate	n.d.	0.3	0.3
Benzylbutylphthalate	n.d.	10	30
Bis-(2-ethylhexyl)phthalate	n.d.	1.5	1.5
Di-n-octylphthalate	n.d.	3	—
Diisononylphthalate	n.d.	3	9
Diisodecylphthalate	n.d.	3	
Status	passed		

2.4. Specific Migration of vinyl chloride

Method: DIN EN 13130-1 / GC-MS*

Testing conditions: Water_{demin}

Limit of quantification: 0.005 mg/kg n.d. = not determinable

Sample	(2 d / 20-22 °C)	(15 min / 20-22 °C)
vinyl chloride mg/kg	n.d.	n.d.
Status	passed	passed

Requirement max. 0.01 mg/kg

Intertek Consumer Goods GmbH



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Deputy lab manager food contact

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Fürth, 01.09.2015

Test report No FUFDCP2015-08967-1

General note: Copying this test report partially is permitted only in agreement with the contracted lab. The tests results refer only to the tested item. This report consists of 4 page(s). Test methods marked with * are not listed in our accreditation document. **subcontract

Sample description: **REF433 – 400 x 4**

Sample entry: 04.08.2015
Testing period: 04.08. – 01.09.2015
Sampling through client
Head of analytical Department: Christoph Dorsch
Testing according to client's request



Results:

1. Sensory testing

Method: § 64 LFGB L 00.90-6

Testing conditions: Water _{demin}

Evaluation (average)

Sample	(15 min / 20-22°C)
Appearance of simulant	0
Odour of simulant	1.5 (like Isophoron, "rubber boat")
Taste of simulant	1.5
Status	passed

Evaluation scale

0 = no aberration, neutral

1 = very slight deterioration, barely perceivable

2 = slight deterioration

3 = significant deterioration

4 = strong deterioration

Requirement: no significant deterioration (Limit: 2.5)

#Not tested due to reasons of employment protection (very strong aberration of odour)

2. Physical and Chemical Testing

2.1. Global migration

Method: DIN EN 1186

Limit of quantification: 1.0 mg/dm² n.d. = not determinable

Inaccuracy of measurement: ± 2 mg/dm²

Requirement max. 10 mg/dm²

a) Testing conditions: Acetic acid 3%

Sample	(2d / 20-22°C)	(0.5h / 70°C)
Global migration mg/dm ²	2.0	1.5
Status	passed	passed

b) Testing conditions: Ethanol 10%

Sample	(15 min / 20-22°C)	(1h / 20-22°C)	(2h / 20-22°C)
Global migration mg/dm ²	2.8 [#]	3.2 [#]	3.0 [#]
Status	passed	passed	passed

#result after the 3rd cycle of migration

c) Testing conditions: Ethanol 95%

Sample	(5 min / 20-22°C)	(15 min / 20-22°C)
Global migration mg/dm ²	5.3 [#]	9.3 [#]
Status	passed	passed

[#]result after the 3rd cycle of migration

2.2. Global migration – MPPO - TENAX

Method: DIN EN 1186 mod.*

Limit of quantification: 1.0 mg/dm² n.d. = not determinable

Inaccuracy of measurement: ± 3 mg/ dm² MPPO

Testing conditions: MPPO (2d / 20-22°C)

Sample	
Global migration mg/dm ²	n.d.

Requirement for simulants A, B, C, D1 and D2: 10 mg/dm²

2.3. Specific migration of phthalates

Method: DIN EN 13130-1 / PV_C_01.15.02_Phthalate_07-06 (2014-02)

Testing conditions: Ethanol 95% (15 min / 20-22°C)

LOQ = Limit of quantification n.d. = not determinable

Phthalates in mg/kg

Parameter	Sample	LOQ	Spec. migration limit
Dibutylphthalate	n.d.	0.3	0.3
Benzylbutylphthalate	n.d.	10	30
Bis-(2-ethylhexyl)phthalate	n.d.	1.5	1.5
Di-n-octylphthalate	n.d.	3	—
Diisononylphthalate	n.d.	3	9
Diisodecylphthalate	n.d.	3	
Status	passed		

2.4. Specific Migration of vinyl chloride

Method: DIN EN 13130-1 / GC-MS*

Testing conditions: Water_{demin}

Limit of quantification: 0.005 mg/kg n.d. = not determinable

Sample	(2 d / 20-22 °C)	(15 min / 20-22 °C)
vinyl chloride mg/kg	n.d.	n.d.
Status	passed	passed

Requirement max. 0.01 mg/kg

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