

Wimpassing, 23.01.2020

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CONFIRMATION FOOD QUALITY HOSES

Concerned Article: food quality hoses acc. actual valid data sheets (see www.semperflex.com)

EU No. 1935/2004, EU No 2023/2006

We hereby confirm that our above mentioned food quality hoses fully comply with the European regulation 1935/2004 and 2023/2006 on materials and articles intended to come into contact with food. Furthermore, they must be used according to their respective BfR or FDA approval category, which are mentioned in our catalogue.

EU No. 10/2011:

Within the regulation 1935/2004 is defined (Article 5), that specific measures for groups of materials and articles can be issued. The above regulation 10/2011 is such a specific regulation concerning plastic material (see Article 2 passage 2). Acc. the definition, rubber material is not concerned.

Regulation EU No 10/2011 is valid for following food quality hose: LMU, LMUS and LMW-Aqualine.

The liner material is sufficiently inert to preclude substances from being transferred to food in quantities large enough to endanger human health or to bring about an unacceptable change in the composition of the food or a deterioration in its organoleptic properties.

EU No. 93/11/EWG:

Regulation 93/11/EWG is not tested and not applicable to our products.

EU No. 2005/1895

For food quality hoses we do not use Epoxyderivate acc. EU regulation No.2005/1895.

EU RL 2004/1

For food quality hoses we do not use Azodicarbonamide acc. EU regulation No.2004/1.

LM1-EPDM, LM1S EPDM, LMD, LMH: – Liner material name: A-3407white

- BfR (former BgVV) XXI Category 2 (Germany)
- FDA CFR 21 § 177.2600 (e) aqueous food (USA)

Test method acc. BfR XXI, chap. 2.2.2, at 40°C / 24 h:

Global migration (distilled water):	8,0 mg/dm ² (limit ≤ 20 mg/dm ²)
Global migration (10 vol.-% Ethanol):	13,0 mg/dm ² (limit ≤ 20 mg/dm ²)
Global migration (20 vol.-% Ethanol*)	17,7 mg/dm ² (limit ≤ 20 mg/dm ²)
Global migration (3 % acetic acid):	48,4 mg/dm ² (limit ≤ 100 mg/dm ²)



Semperit Technische Produkte Gesellschaft m.b.H

A-2632 Wimpassing • Triester Bundesstraße 26 • Telefon: +43/2630/310-0* • www.semperit.at

FN 36912h • Handelsgericht Wien • UID ATU 14234201 • DVR 0422291

Bank Austria Creditanstalt AG • BIC BKAUATWW • IBAN AT951100004200018200

Raiffeisen Zentralbank Österreich AG • BIC RZBAATWW • IBAN AT203100000100870949

*) As "20 vol.-% Ethanol" is no official testing medium for BfR XXI, test results were evaluated according to the limits for "10 vol. -% Ethanol".

LME Milkyline, LOSP, LMSP – Liner material name A-618 white:

- BfR (former BgVV) XXI Category 2 (Germany)
- FDA CFR 21 § 177.2600 (USA)

Test method acc. BfR XXI, chap. 2.2.2, at 40°C / 24 h:

Global migration (3 % acetic acid): 5,0 mg/dm² (limit ≤ 100 mg/dm²)

LM3, LM4S/SF1500, LMD-NBR, LMH-NBR (BfR Kat. 2) Liner material name P-3326-K6

- BfR (former BgVV) XXI Category 2 (Germany)
- FDA CFR 21 § 177.2600 (USA)

Test method acc. BfR XXI, chap. 2.2.2, at 40°C / 24 h:

Global migration (15 vol.-% Ethanol*): 11,2 mg/dm² (limit ≤ 20 mg/dm²)

Global migration (3 % acetic acid): 16,6 mg/dm² (limit ≤ 100 mg/dm²)

*) As "15 vol.-% Ethanol" is no official testing medium for BfR XXI, test results were evaluated according to the limits for "10 vol. -% Ethanol".

LOSP-G, LMSP-G - Liner material name P-3349 white:

- BfR (former BgVV) XXI Category 2 (Germany)

For BfR Cat.4 is no migration test intended. The liner material in LOSP-G, LMSP-G includes only ingredients which are listed in BfR as recommended substances.

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i. A. G. Jettler
Quality Engineering


i. A. G. Mahlfleisch, Ing.
Product Manager

Product specifications may be subject to change without prior notice.



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