

Return address: P.O. Box 2220, 6802 CE ARNHEM, The Netherlands

Superior Manufacturing Group - Europe B.V.
Att. Mrs. Dirckx
Achterzeedijk 57
2992 SB BARENDRECHT
The Netherlands

TÜV Rheinland Nederland B.V.
The Netherlands

Postal address:
P.O. Box 2220
6802 CE ARNHEM

Parking and delivery:
Westervoortsedijk 73
6827 AV ARNHEM

www.tuv.com/nl

T +31 88 888 7888

Jaring.de.Wolff@nl.tuv.com

Testreport

Project number: 89211031
Report number: 89211031.09en

Date
08/06/2017

Project number
89211031

Report number
89211031.09en

Received:

A rubber floor covering, marked as: "**Rib 'n' Roll P3™ 3mm broad rib PO 4564**";
TÜV-reference: MT17-133220.07

Phone number client
+31 (0) 180 615 744

Fax number client
-

Sampling procedure:

The samples are selected by the applicant. The test house has had no influence on the sampling procedure.

The samples have been received on 15/05/2017.

Article
Rib 'n' Roll P3™ 3mm broad rib
PO 4564

Order:

Determination of polycyclic aromatic hydrocarbons (PAH) according AfPS GS 2014:01.*

** The tests are completely or partially conducted by a subcontractor within TÜV Rheinland.*

Appendix
-none -

Results:

See page three and four.

Appendix:

None.

TRN applies General Terms & Conditions which are filed at the office of the Clerk for civil affairs at the Court in Zutphen (the Netherlands) under number 35/2010, dated November 17th 2010.

PRODUCT IDENTIFICATION

Applicant : Superior Manufacturing Group – Europe
B.V.
Product name : Rib 'n' Roll P3™ 3mm broad rib
PO 4564*

* Applicant's declaration

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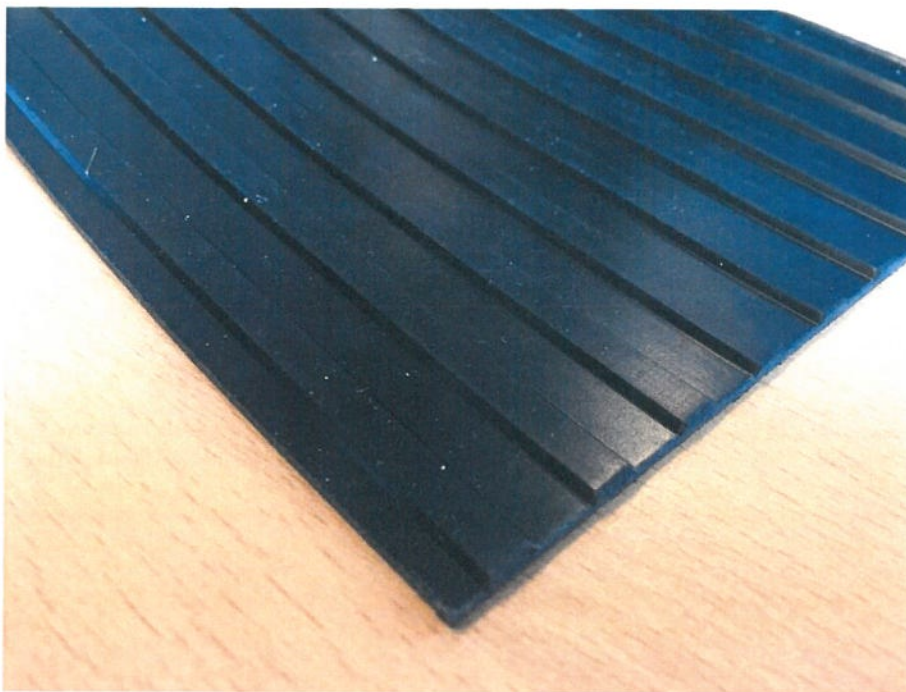


Figure 1. Picture of the received sample

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TEST RESULTS

Polycyclic aromatic hydrocarbons (PAH)

Method: Harmonized method for determination of Polycyclic Aromatic Hydrocarbons (PAH) in Polymers, gas chromatographic method with mass spectrometric detection.

Standard : AfPS GS 2014:01.
 Report number : 0003221882/30 AZ 269307
 Detection limit : 0.2 mg/kg

Sample number	Total PAH (mg/kg)	Category according ZEK 01.4-08*
MT17-133220.07	4.5	3

Table 1: Total PAH

Unit	mg/kg
Sample number	MT17-133220.07
Acenaphthylene	<0.2
Acenaphthene	<0.2
Fluorene	<0.2
Phenanthrene	1.1
Anthracene	0.3
Fluoranthene	0.7
Pyrene	0.9
Naphtalene	0.2
Indeno (1,2,3-cd)pyrene	<0.2
Benzo(ghi)perylene	<0.2
Benzo(a)anthracene	0.3
Chrysene	0.6
Benzo(b)fluoranthene	0.2
Benzo(j)fluoranthene	<0.2
Benzo(k)fluoranthene	<0.2
Benzo(e)pyrene	0.2
Benzo(a)pyrene	<0.2
Dibenz(a,h)anthracene	<0.2

Table 2: Individual results

*Assessment of the results according to "Testing and evaluation Polycyclic aromatic Hydrocarbons (PAH) at granting of the GS-sign", AfPS GS 2014:01 PAK (issue 04.08.2014)

Category 1 – Materials intended to be put in mouth of material for toys intended to come into contact and with prolonged contact with the skin (longer than 30 s)

Category 2 – Materials not covered by category 1 with foreseeable contact to skin for longer than 30 seconds (long term skin contact) or repeated short term skin contact.

Category 3 – Materials not covered by category 1 or 2 with foreseeable contact to skin up to 30 seconds (short term skin contact).

Date
08/06/2017

Limited values

Benzo(a)pyrene, Benzo(e)pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(j)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenz(a,h)anthracene, Benzo(ghi)perylene, Indeno (1,2,3-cd)pyrene
Category 1: < 0.2 mg/kg
Category 2: < 0.5 mg/kg
Category 3: < 1 mg/kg

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Naphtalene

Category 1: < 1 mg/kg
Category 2: < 2 mg/kg
Category 3: < 10 mg/kg

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Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyren, Anthracene and Fluoranthene respectively all 18 PAH each.

Category 1: < 1 mg/kg
Category 2: < 10 mg/kg
Category 3: < 50 mg/kg

Limit for 8 EU-PAHs (Grey indicated substances) In rubber of plastic components of articles according to regulation (ED) No. 1907/2006, Annex XVII, (effective from 27.12.2015):

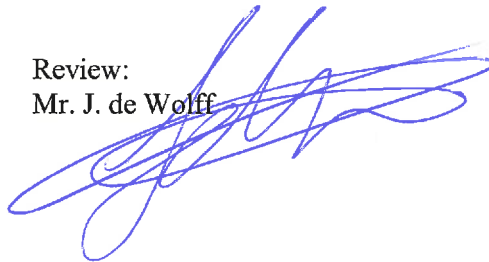
- 1 mg/kg per substance for parts of articles that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use.
- 0.5 mg/kg per substance for toys and childcare articles.

**FCM – Food Contact Materials are covered by Regulation (EU) 1935/2004 and are therefore not in the scope of AfPS GS 2014:01 PAK. From our experience a migration of PAHs into food is not foreseeable if all tested substances are <0.2 mg/kg.

Author:
Mr. M.A. van de Vlekkert



Review:
Mr. J. de Wolff



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