

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](http://www.tuv.com/nl)

T +31 88 888 7888

[Jaring.de.Wolff@nl.tuv.com](mailto: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.

### **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.*

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

### **Results:**

See page three and four.

**Appendix**  
- none -

### **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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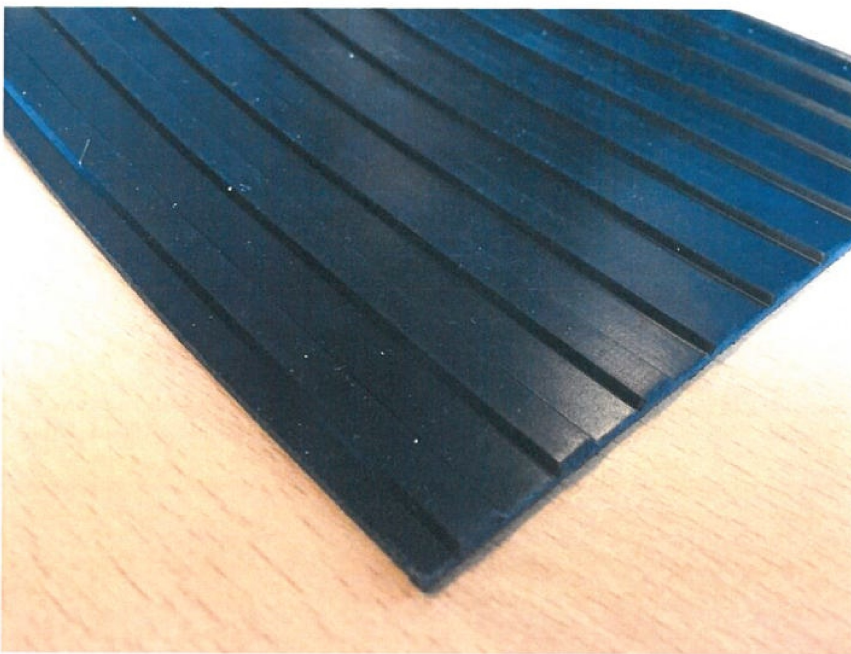


Figure 1. Picture of the received sample

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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
<b>Benzo(a)anthracene</b>	0.3
<b>Chrysene</b>	0.6
<b>Benzo(b)fluoranthene</b>	0.2
<b>Benzo(j)fluoranthene</b>	<0.2
<b>Benzo(k)fluoranthene</b>	<0.2
<b>Benzo(e)pyrene</b>	0.2
<b>Benzo(a)pyrene</b>	<0.2
<b>Dibenz(a,h)anthracene</b>	<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).

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Limited values

Benzo(a)pyrene, Benzo(e)pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(j)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenzo(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

Naphtalene

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

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):

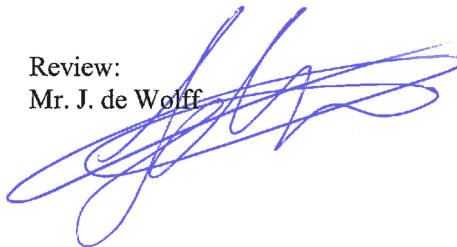
- 1 mg/kg per substance for parts of articles that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use.
- 0.5 mg/kg per substance for toys and childcare articles.

\*\*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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