

Report No.: 0154165641a6 001

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Client: BESTWAY INFLATABLES & MATERIAL CORP.
No. 3065 Cao An Road, Shanghai, China

Identification/ Model No(s): PVC Sheet for Spa
#54112; #54113; #54123; #54129; #54148; #54154; #54156; #54138;
#54144

Sample Receiving date: 2016-05-12

Testing Period: 2016-05-12 - 2016-05-18


Test Specification:

Test result:

Customer's requirement:

- | | |
|-------------------------------------------------------------------------------------------------|------|
| 1. Polycyclic aromatic hydrocarbons (PAHs) - according to GS Specification, AfPS GS 2014:01 PAK | PASS |
| 2. Total Cadmium Content | PASS |
| 3. Phthalates content | PASS |
| 4. Polycyclic aromatic hydrocarbons (PAHs) | PASS |

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.



2016-05-24 Ryan Chen / Project Engineer

Date Name/Position

*Test result is drawn according to the kind and extent of tests performed.
This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.*

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Material List:

Item: PVC Sheet for Spa

#54112; #54113; #54123; #54129; #54148; #54154; #54156; #54138; #54144

Material No.	Material	Color	Location
M001	Plastic	yellow	refer to photo
M002	Plastic	dark grey	refer to photo
M003	Plastic	white	refer to photo
M004	Plastic	beige	refer to photo
M005	Plastic	grey	refer to photo
M006	Plastic	dark blue	refer to photo
M007	Plastic	white/blue	refer to photo
M008	Plastic	beige	refer to photo
M009	Plastic	black	refer to photo
M010	Plastic	white	refer to photo
M011	Plastic	dark blue	refer to photo

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1. Polycyclic aromatic hydrocarbons (PAHs)

Test Method: AfPS GS 2014:01 PAK

Test Result:

Test No.				T001	T002	T003
Material No.				M001	M002	M003
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Acenaphthene	83-32-9	mg/kg	0.2	n.d.	n.d.	n.d.
Acenaphthylene	208-96-8	mg/kg	0.2	n.d.	n.d.	n.d.
Anthracene	120-12-7	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[a]anthracene	56-55-3	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[e]pyrene	192-97-2	mg/kg	0.2	n.d.	n.d.	n.d.
Chrysene	218-01-9	mg/kg	0.2	n.d.	n.d.	n.d.
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	n.d.	n.d.	n.d.
Fluoranthene	206-44-0	mg/kg	0.2	n.d.	n.d.	n.d.
Fluorene	86-73-7	mg/kg	0.2	n.d.	n.d.	n.d.
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	n.d.	n.d.	n.d.
Naphthalene	91-20-3	mg/kg	0.2	0.2	n.d.	n.d.
Phenanthrene	85-01-8	mg/kg	0.2	n.d.	n.d.	n.d.
Pyrene	129-00-0	mg/kg	0.2	n.d.	n.d.	n.d.
Sum of Acenaphthylene, Acenaphthene, Anthracene, Fluoranthene, Fluorene, Phenanthrene, Pyrene	-	mg/kg	-	n.d.	n.d.	n.d.
Sum of 18 PAHs	-	mg/kg	-	0.2	n.d.	n.d.
Category*	-	-	-	2	2	2

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Test No.				T004	T005	T006
Material No.				M004	M005	M006
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Acenaphthene	83-32-9	mg/kg	0.2	n.d.	n.d.	n.d.
Acenaphthylene	208-96-8	mg/kg	0.2	n.d.	n.d.	n.d.
Anthracene	120-12-7	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[a]anthracene	56-55-3	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[e]pyrene	192-97-2	mg/kg	0.2	n.d.	n.d.	n.d.
Chrysene	218-01-9	mg/kg	0.2	n.d.	n.d.	n.d.
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	n.d.	n.d.	n.d.
Fluoranthene	206-44-0	mg/kg	0.2	n.d.	n.d.	n.d.
Fluorene	86-73-7	mg/kg	0.2	n.d.	n.d.	n.d.
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	n.d.	n.d.	n.d.
Naphthalene	91-20-3	mg/kg	0.2	n.d.	0.2	n.d.
Phenanthrene	85-01-8	mg/kg	0.2	n.d.	0.2	n.d.
Pyrene	129-00-0	mg/kg	0.2	n.d.	0.2	n.d.
Sum of Acenaphthylene, Acenaphthene, Anthracene, Fluoranthene, Fluorene, Phenanthrene, Pyrene	-	mg/kg	-	n.d.	0.4	n.d.
Sum of 18 PAHs	-	mg/kg	-	n.d.	0.6	n.d.
Category*	-	-	-	2	2	2

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Test No.				T007	T008	T009
Material No.				M007	M008	M009
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Acenaphthene	83-32-9	mg/kg	0.2	n.d.	n.d.	n.d.
Acenaphthylene	208-96-8	mg/kg	0.2	n.d.	n.d.	n.d.
Anthracene	120-12-7	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[a]anthracene	56-55-3	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	n.d.	n.d.	n.d.
Benzo[e]pyrene	192-97-2	mg/kg	0.2	n.d.	n.d.	n.d.
Chrysene	218-01-9	mg/kg	0.2	n.d.	n.d.	n.d.
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	n.d.	n.d.	n.d.
Fluoranthene	206-44-0	mg/kg	0.2	n.d.	n.d.	n.d.
Fluorene	86-73-7	mg/kg	0.2	n.d.	n.d.	n.d.
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	n.d.	n.d.	n.d.
Naphthalene	91-20-3	mg/kg	0.2	n.d.	n.d.	n.d.
Phenanthrene	85-01-8	mg/kg	0.2	n.d.	n.d.	n.d.
Pyrene	129-00-0	mg/kg	0.2	n.d.	n.d.	n.d.
Sum of Acenaphthylene, Acenaphthene, Anthracene, Fluoranthene, Fluorene, Phenanthrene, Pyrene	-	mg/kg	-	n.d.	n.d.	n.d.
Sum of 18 PAHs	-	mg/kg	-	n.d.	n.d.	n.d.
Category*	-	-	-	2	2	2

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Test No.				T010	T011
Material No.				M010	M011
Test Parameter	CAS NO	Unit	RL	Result	Result
Acenaphthene	83-32-9	mg/kg	0.2	n.d.	n.d.
Acenaphthylene	208-96-8	mg/kg	0.2	n.d.	n.d.
Anthracene	120-12-7	mg/kg	0.2	n.d.	n.d.
Benzo[a]anthracene	56-55-3	mg/kg	0.2	n.d.	n.d.
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	n.d.	n.d.
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	n.d.	n.d.
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	n.d.	n.d.
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	n.d.	n.d.
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	n.d.	n.d.
Benzo[e]pyrene	192-97-2	mg/kg	0.2	n.d.	n.d.
Chrysene	218-01-9	mg/kg	0.2	n.d.	n.d.
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	n.d.	n.d.
Fluoranthene	206-44-0	mg/kg	0.2	n.d.	n.d.
Fluorene	86-73-7	mg/kg	0.2	n.d.	n.d.
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	n.d.	n.d.
Naphthalene	91-20-3	mg/kg	0.2	0.2	0.2
Phenanthrene	85-01-8	mg/kg	0.2	0.2	0.2
Pyrene	129-00-0	mg/kg	0.2	n.d.	n.d.
Sum of Acenaphthylene, Acenaphthene, Anthracene, Fluoranthene, Fluorene, Phenanthrene, Pyrene	-	mg/kg	-	0.2	0.2
Sum of 18 PAHs	-	mg/kg	-	0.4	0.4
Category*	-	-	-	2	2

Abbreviation: n.d. = not detected (< Reporting Limit)

RL = Reporting Limit

NA = Not Applicable

mg/kg = milligram per kilogram

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Remark:

- * PAH maximum permissible limits requirement from the GS-Mark Approval published by the German Federal Institute for Occupational Safety and Health (BAuA)

Parameter	Unit	Category 1	Category 2		Category 3	
		Materials intended to be put into the mouth or materials of toy for children with long term intended skin contact (longer than 30 s)	Materials not covered by category 1, with foreseeable long term skin contact (longer than 30 s) or repeated short-term skin contact		Materials not covered by category 1 or 2, with foreseeable short term contact (shorter than 30s)	
		-	Toys according to directive 2009/48/EC	Other products according to ProdSG	Toys according to directive 2009/48/EC	Other products according to ProdSG
Benzo[a]pyrene(BaP)	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[e]pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[a]anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[b]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[j]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[k]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Chrysene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo[a,h]anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[g,h,i]perylene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Indeno[1,2,3-cd]pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Naphthalene	mg/kg	<1	<2	<2	<10	<10
Sum of Acenaphthylene Acenaphthene Anthracene Fluoranthene Fluorene Phenanthrene Pyrene	mg/kg	<1	<5	<10	<20	<50
Sum of 18 PAHs	mg/kg	<1	<5	<10	<20	<50

Limit: Specific evaluation required according to type of foreseeable use.

- ** Single components with an amount of <0.2 mg/kg were not considered by the calculation of the sum. In the case of all 18 PAHs were not detected, the result is stated n.d.

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2.Total Cadmium Content

Test Method: For plastic: EN 1122:2001 (method B)
For metal and other material: Acid digestion, analyzed by AAS/ ICP-OES

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M001 + M002 + M003	Trial 1	mg/kg	10	100	n.d.
		Trial 2	mg/kg	10	100	n.d.
		Average	mg/kg	10	100	n.d.
T002	M004 + M005 + M006	Trial 1	mg/kg	10	100	n.d.
		Trial 2	mg/kg	10	100	n.d.
		Average	mg/kg	10	100	n.d.
T003	M007 + M008 + M009	Trial 1	mg/kg	10	100	n.d.
		Trial 2	mg/kg	10	100	n.d.
		Average	mg/kg	10	100	n.d.
T004	M010 + M011	Trial 1	mg/kg	10	100	n.d.
		Trial 2	mg/kg	10	100	n.d.
		Average	mg/kg	10	100	n.d.

Abbreviation: n.d. = not detected (< Reporting Limit)
RL = Reporting Limit
mg/kg = milligram per kilogram

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Remark:

*Regulations on Cadmium

EU	Legislation	Maximum Permissible Limit				
		Plastic materials	Paint (wet state)	Paint on the painted articles	Paint (high zinc content)	Metal parts of jewellery and imitation jewellery articles and hair accessories
EC	REACH regulation (EC) No. 1907/2006 Annex XVII Item 23 and its amendments (EC) No. 552/2009, (EU) No. 494/2011 and (EU) No. 835/2012	100mg/kg	N.D.	1000mg/kg	1000mg/kg	100mg/kg

Country	Legislation	Maximum Permissible Limit
		Paint, plastic, plating/ coating of surface treatment
Germany	Germany Chemikalien-Verbotsverordnung - ChemVerbotsV, Anhang Abschnitt 18, Okt 1993	100mg/kg
Switzerland	Switzerland Chemikalien-Risikoreduktions-Verordnung-ChemRRV, 814.81, 18 May 2005	100mg/kg

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3. Phthalates content

Test Method: Organic solvent extraction, analyzed by GCMS

Test Result:

Test Parameter	CAS NO	Unit	RL	Customer's Requirement	Test No.	T001	T002	T003
					Material No.	M001 + M002 + M003	M004 + M005 + M006	M007 + M008 + M009
Dibutyl phthalate (DBP)	84-74-2	%	0.005	0.1		n.d.	n.d.	n.d.
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	0.1		n.d.	n.d.	n.d.
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	0.1		n.d.	n.d.	n.d.
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	0.1		n.d.	n.d.	n.d.
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.005	0.1		n.d.	n.d.	n.d.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1		n.d.	n.d.	n.d.
Diisopentyl phthalate (DiPP)	605-50-5	%	0.005	0.1		n.d.	n.d.	n.d.
n-Pentyl-isopentyl phthalate	776297-69-9	%	0.005	0.1		n.d.	n.d.	n.d.
Di(methoxyethyl) phthalate (DMEP)	117-82-8	%	0.005	0.1		n.d.	n.d.	n.d.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.01	0.1		n.d.	n.d.	n.d.
1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl ester (DHNUP)	68515-42-4	%	0.01	0.1		n.d.	n.d.	n.d.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.01	0.1		n.d.	n.d.	n.d.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.01	0.1		n.d.	n.d.	n.d.
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters / 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68515-51-5 / 68648-93-1	%	0.01	0.1		n.d.	n.d.	n.d.
Dicyclohexyl phthalate (DCP)	84-61-7	%	0.005	0.1		n.d.	n.d.	n.d.

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					Test No.	T004	T005
					Material No.	M010	M011
Test Parameter	CAS NO	Unit	RL	Customer's Requirement	Result	Result	
Dibutyl phthalate (DBP)	84-74-2	%	0.005	0.1	n.d.	n.d.	
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	0.1	n.d.	n.d.	
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	0.1	0.012	0.013	
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	0.1	n.d.	n.d.	
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.005	0.1	n.d.	n.d.	
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	n.d.	n.d.	
Diisopentyl phthalate (DiPP)	605-50-5	%	0.005	0.1	n.d.	n.d.	
n-Pentyl-isopentyl phthalate	776297-69-9	%	0.005	0.1	n.d.	n.d.	
Di(methoxyethyl) phthalate (DMEP)	117-82-8	%	0.005	0.1	n.d.	n.d.	
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.01	0.1	n.d.	n.d.	
1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl ester (DHNUP)	68515-42-4	%	0.01	0.1	n.d.	n.d.	
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.01	0.1	n.d.	n.d.	
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.01	0.1	n.d.	n.d.	
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters / 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68515-51-5 / 68648-93-1	%	0.01	0.1	n.d.	n.d.	
Dicyclohexyl phthalate (DCP)	84-61-7	%	0.005	0.1	n.d.	n.d.	

Abbreviation: n.d. = not detected (< Reporting limit)
 RL = Reporting Limit
 % = percentage

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4. Polycyclic aromatic hydrocarbons (PAHs)

Test Method: Organic solvent extraction, GCMS

					Test No.	T001	T002	T003
					Material No.	M001	M002	M003
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result	
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Chrysene (CHR)	218-01-9	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	1	n.d.	n.d.	n.d.	

					Test No.	T004	T005	T006
					Material No.	M004	M005	M006
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result	
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Chrysene (CHR)	218-01-9	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	1	n.d.	n.d.	n.d.	

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					Test No.	T007	T008	T009
					Material No.	M007	M008	M009
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result	
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Chrysene (CHR)	218-01-9	mg/kg	0.2	1	n.d.	n.d.	n.d.	
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	1	n.d.	n.d.	n.d.	

					Test No.	T010	T011
					Material No.	M010	M011
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	1	n.d.	n.d.	
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	1	n.d.	n.d.	
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	1	n.d.	n.d.	
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	1	n.d.	n.d.	
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	1	n.d.	n.d.	
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	1	n.d.	n.d.	
Chrysene (CHR)	218-01-9	mg/kg	0.2	1	n.d.	n.d.	
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	1	n.d.	n.d.	

Abbreviation: n.d. = Not Detected (< Reporting Limit)
 RL = Reporting Limit
 NA = Not Applicable
 mg/kg = milligram per kilogram

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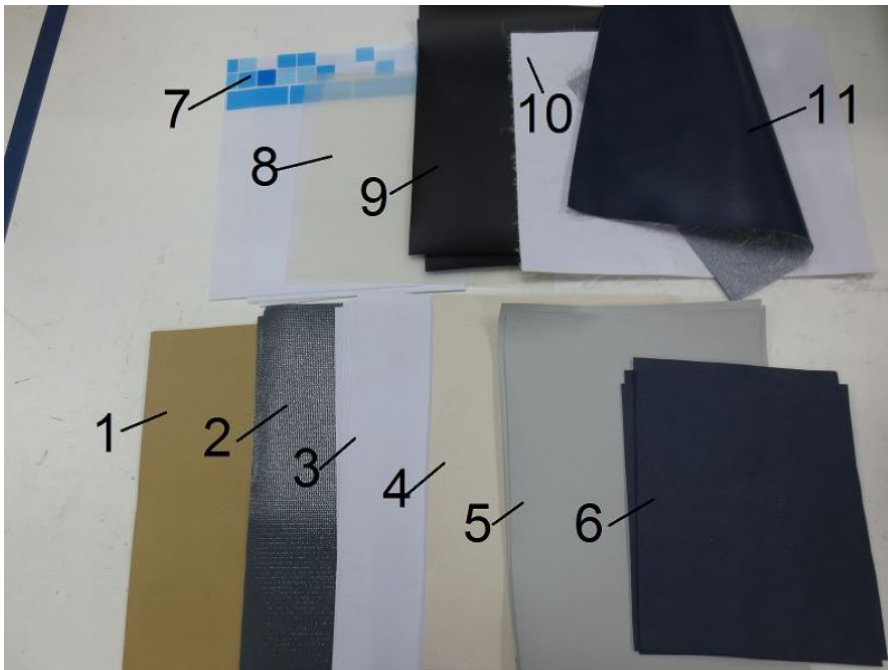
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Remark:

- * Requirement according to REACH regulation (EC) No. 1907/2006 with Amendment No. 552/2009 Annex XVII Item No. 50 and (EU) No.1272/2013, are summarized as below:

Scope	Parameter	Unit	Maximum permissible limit
Articles with 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 ,made of plastic and rubber shall follow below limit:			
Such articles include amongst others: ---sport equipment such as bicycles, golf clubs, racquets ---household utensils, trolleys, walking frames --- tools for domestic use --- clothing, footwear, gloves and sportswear ---watch-straps, wrist-bands, masks, head-bands	Each of 8 listed PAHs	mg/kg	1
Toys, including activity toys, and childcare articles	Each of 8 listed PAHs	mg/kg	0.5

Product photos



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