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Zurich / 30.12.2019 / drbu

Test Report TP001 162394.1

Application
12. Renewal of certificate TPAO 054092 - based partly on materials already certified according to STANDARD 100 by OEKO-TEX®, Product Class I, Annex 4

Test Material
2 Delrin (POM) elements, coloured; 2 PES tapes with coil; 6 PES tapes, raw or dyed with or without flame retardant; 4 zine alloy sliders, raw or painted; 1 aluminum wire for box and stop; 1 PA reinforcement film tape, for testing

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Original Issuing, 30.12.2019

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TESTEX AG
Swiss Textile Testing Institute

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Faisal Rizal
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Customer Service Officer

cc: TESTEX Taipei

Annex:
Certificate TPAO 054092 valid to 15.11.2020

1 Summary

On the basis of the present application as well as test results of the tests carried out a certification according to STANDARD 100 by OEKO-TEX® can be issued for the requested article group .
This test report does not replace the certificate.
According to STANDARD 100 by OEKO-TEX® the authorization will be valid till 15.11.2020.
Also the regulations on harmful substances under the European REACh legislation, including the textile-relevant and current candidates for SVHC (Substances of Very High Concern) of the candidate list are considered.
The use of the label is only permitted based on a valid certificate and according to the regulations in STANDARD 100 by OEKO-TEX®. Particularly the use of the label is only permitted during the certification period for articles in the certified article group compliant with the limiting values. The label has to bear the certificate number and control name of the institute given on the certificate. Furthermore the use of the OEKO-TEX® mark is only allowed after full settlement of invoices for testing fees and certification costs.

Please be informed that you will be contacted by the corresponding TESTEX office regarding the site visit related to the quality assurance package of OEKO-TEX® certification.

2 Overview

p: tested and passed; x: tested and failed; ' ': not tested

	Sample									
	1	2	3	4	5	6	7	8	9	10
pH-Value OEKO-TEX® Method 1 (ISO 3071 - KCl)	p		p		p		p		p	p
Formaldehyde OEKO-TEX® Method 2 - JIS L-1041		p		p		p		p		
Heavy Metals OEKO-TEX® Method 3.1 (Extract)	p		p		p		p		p	p
Heavy Metals OEKO-TEX® Method 3.1 (Extract; inorganic accessories))										
Heavy Metals OEKO-TEX® Method 3.1 (incl. EN 12472)										
Heavy Metals OEKO-TEX® Method 3.2 (Digestion)		p		p						
Chlorinated Phenols and OPP OEKO-TEX® Method 5	p			p		p				
Plasticisers OEKO-TEX® Method 6		p		p						
Organic Tin Compounds OEKO-TEX® Method 7	p		p					p		
Azo Dyes OEKO-TEX® Method 11.1 (direct)	p	p								
Azo Dyes OEKO-TEX® Method 11.1 (Extract)			p		p	p	p			
Disperse Dyes OEKO-TEX® Method 11.3/11.4	p	p	p	p	p			p		
Chlorinated Benzenes & Toluenes OEKO-TEX® Method 12	p	p	p	p	p	p	p	p		

Polycyclic Aromatic Hydrocarbons (PAH) OEKO-TEX® Method 13	p	p		p						
Surfactants, Wetting Agent Residues OEKO-TEX® Method 15	p		p		p		p	p		
Colour Fastness To Water OEKO-TEX® Method 20-C (EN ISO 105-E01)	p			p	p		p		p	
Colour Fastness To Perspiration OEKO-TEX® Method 20-B (EN ISO 105-E04)	p			p	p		p		p	
Colour Fastness To Saliva And Perspiration OEKO-TEX® Method 20-A	p	p	p	p	p	p	p	p	p	

1: Delrin POM teeth coloured A Red
2: Delrin POM teeth coloured B Dk. Green
3: PES tape + coil dyed A Grey
4: PES tape + coil dyed B Brown
5: PES tape dyed C Black
6: PES tape dyed D Coffee
7: PES tape dyed E Purple
8: PES tape dyed F Violet
9: PES tape with flame retardant Black
10: PES tape with flame retardant raw white

	Sample								
	11	12	13	14	15	16	17	18	19
pH-Value OEKO-TEX® Method 1 (ISO 3071 - KCl)									p
Formaldehyde OEKO-TEX® Method 2 - JIS L-1041				p					p
Heavy Metals OEKO-TEX® Method 3.1 (Extract)									
Heavy Metals OEKO-TEX® Method 3.1 (Extract; inorganic accessories))	p			p		p		p	
Heavy Metals OEKO-TEX® Method 3.1 (incl. EN 12472)				p		p			
Heavy Metals OEKO-TEX® Method 3.2 (Digestion)		p	p		p		p	p	p
Chlorinated Phenols and OPP OEKO-TEX® Method 5	p								
Plasticisers OEKO-TEX® Method 6						p			p
Organic Tin Compounds OEKO-TEX® Method 7									p
Azo Dyes OEKO-TEX® Method 11.1 (direct)				p		p			
Azo Dyes OEKO-TEX® Method 11.1 (Extract)									
Disperse Dyes OEKO-TEX® Method 11.3/11.4	p					p			
Chlorinated Benzenes & Toluenes OEKO-TEX® Method 12									
Polycyclic Aromatic Hydrocarbons (PAH) OEKO-TEX® Method 13									p
Surfactants, Wetting Agent Residues OEKO-TEX® Method 15	p			p					p
Colour Fastness To Water OEKO-TEX® Method 20-C (EN ISO 105-E01)									
Colour Fastness To Perspiration OEKO-TEX® Method 20-B (EN ISO 105-E04)									
Colour Fastness To Saliva And Perspiration OEKO-TEX® Method 20-A									

11: Zinc alloy slider painted in Navy

12: Index 11 metal part

13: Index 11 painted part

14: Zinc alloy slider painted in Green

15: Index 14 painted part

16: Zinc alloy slider painted in Black

17: Zinc alloy slider raw

18: Aluminum wire for box + stop raw

19: PA reinforcement film in clear with white PES tape

3 Scope Of Application

An application with the appropriate OEKO-TEX® forms was submitted for

Zippers (assembled or in individual parts) consisting of:

- Polyester tape and coil, dyed or PES tape made from polyester yarn with a flame retardant product accepted by OEKO-TEX® (in raw white or black), including PA film heat-sealed at tape ends

- Delrin (TEPCON® POM) teeth, retaining box or stop, coloured (in a limited range of 6 pigments)

- Zinc alloy slider, raw or painted (in a limited range of 8 pigments)

- Aluminum retaining box and stop

(based on material partly pre-certified according to STANDARD 100 by OEKO-TEX®).

The application is for the 12. Renewal of certificate TPAO 054092 - based partly on materials already certified according to STANDARD 100 by OEKO-TEX®, Product Class I, Annex 4.

4 Samples

No.	Receipt	Sample Identification
1	02.12.2019	Delrin POM, teeth, coloured A, Red
2	02.12.2019	Delrin POM, teeth, coloured B, Dk. Green
3	02.12.2019	PES, tape + coil, dyed A, Grey
4	02.12.2019	PES, tape + coil, dyed B, Brown
5	02.12.2019	PES, tape, dyed C, Black
6	02.12.2019	PES, tape, dyed D, Coffee
7	02.12.2019	PES, tape, dyed E, Purple
8	02.12.2019	PES, tape, dyed F, Violet
9	02.12.2019	PES, tape, with flame retardant, Black
10	02.12.2019	PES, tape, with flame retardant, raw white
11	02.12.2019	Zinc alloy, slider, painted in, Navy
12	02.12.2019	Index 11, metal part
13	02.12.2019	Index 11, painted part
14	02.12.2019	Zinc alloy, slider, painted in, Green
15	02.12.2019	Index 14, painted part
16	02.12.2019	Zinc alloy, slider, painted in, Black
17	02.12.2019	Zinc alloy, slider, raw
18	02.12.2019	Aluminum, wire, for box + stop, raw
19	02.12.2019	PA, reinforcement film, in clear, with white PES tape

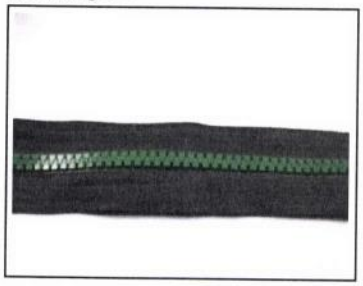
(Unless otherwise stated samples are provided by the customer.)

5 Photo Overview

#1 Image 1

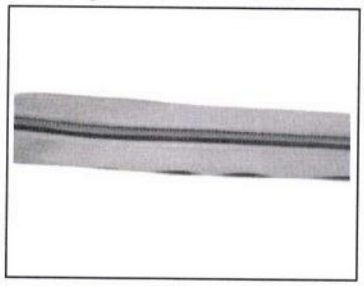
Delrin POM teeth coloured A Red

#2 Image 1



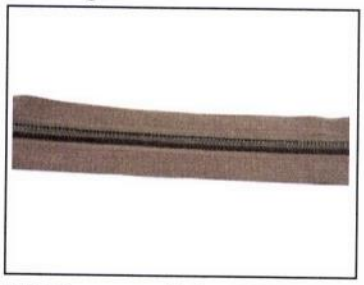
Delrin POM teeth coloured B Dk. Green

#3 Image 1



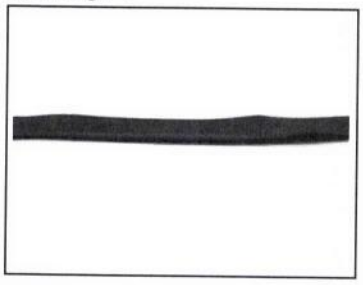
PES tape + coil dyed A Grey

#4 Image 1



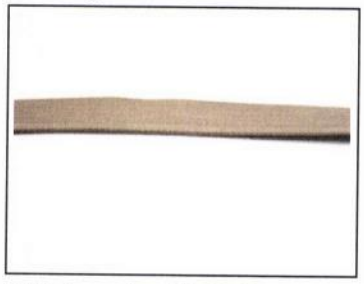
PES tape + coil dyed B Brown

#5 Image 1



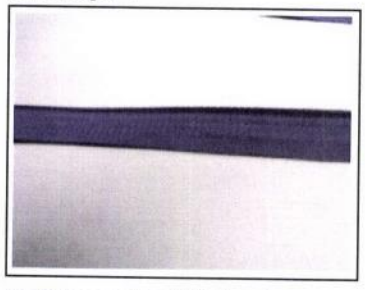
PES tape dyed C Black

#6 Image 1



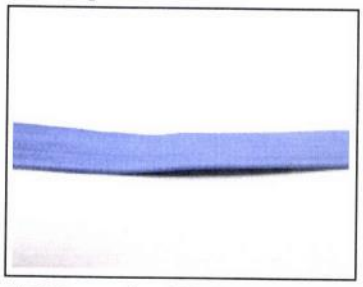
PES tape dyed D Coffee

#7 Image 1



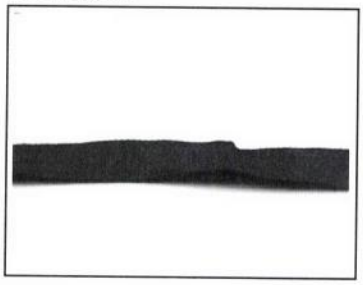
PES tape dyed E Purple

#8 Image 1



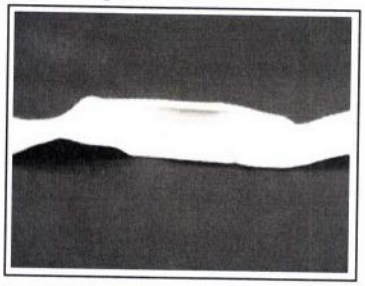
PES tape dyed F Violet

#9 Image 1



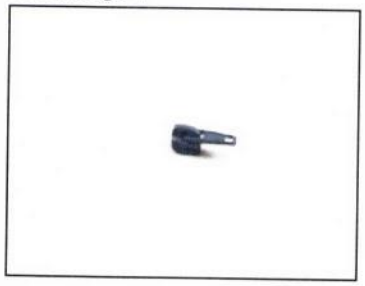
PES tape with flame retardant Black

#10 Image 1



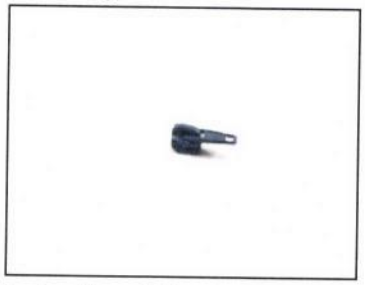
PES tape with flame retardant raw white

#11 Image 1



Zinc alloy slider painted in Navy

#12 Image 1



Index 11 metal part

#13 Image 1

Index 11 painted part

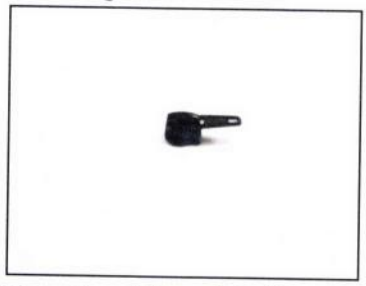
#14 Image 1

Zinc alloy slider painted in Green

#15 Image 1

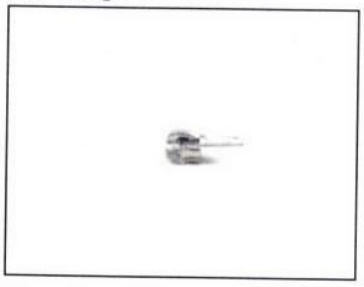
Index 14 painted part

#16 Image 1



Zinc alloy slider painted in Black

#17 Image 1

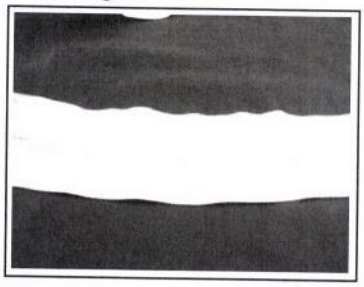


Zinc alloy slider raw

#18 Image 1

Aluminum wire for box + stop raw

#19 Image 1



PA reinforcement film in clear
with white PES tape

6 Tests Performed / Results

As required in the STANDARD 100 by OEKO-TEX® the test program is decided by the institute based on the article group, the requested product class and on the technical information given in the application form. Required tests are carried out according to STANDARD 100 by OEKO-TEX® and the testing procedure laid down in "STANDARD 100 by OEKO-TEX®-Testing Procedures".

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#3 PES tape + coil dyed A Grey	#5 PES tape dyed C Black	#7 PES tape dyed E Purple
pH-Value OEKO-TEX® Method 1 (ISO 3071 - KCl) Number of Tests			2	2	2	2
• Aqueous extract	[pH]	>=4.0 <=7.5	5.8	6.2	6.3	6.4

		STANDARD 100 Product Class I Annex 4	#9 PES tape with flame retardant Black	#10 PES tape with flame retardant raw white	#19 PA reinforcement film in clear with white PES tape
pH-Value OEKO-TEX® Method 1 (ISO 3071 - KCl) Number of Tests			2	2	2
• Aqueous extract	[pH]	>=4.0 <=7.5	5.7	5.7	6.0

		STANDARD 100 Product Class I Annex 4	#2 Delrin POM teeth coloured B Dk. Green	#4 PES tape + coil dyed B Brown	#6 PES tape dyed D Coffee	#8 PES tape dyed F Violet
Formaldehyde						
OEKO-TEX® Method 2 - JIS L-1041						
Number of Tests			1	1	1	1
• Free formaldehyde	[mg/kg]	<16	<16	<16	<16	<16

		STANDARD 100 Product Class I Annex 4	#14 Zinc alloy slider painted in Green	#19 PA reinforcement film in clear with white PES tape
Formaldehyde				
OEKO-TEX® Method 2 - JIS L-1041				
Number of Tests			1	1
• Free formaldehyde	[mg/kg]	<16	<16	<16

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#3 PES tape + coil dyed A Grey	#5 PES tape dyed C Black	#7 PES tape dyed E Purple
Heavy Metals						
OEKO-TEX® Method 3.1 (Extract)						
Number of Tests			1	1	1	1
• Antimony	[mg/kg]	<30	0.58	<0.1	<0.1	1.7
• Arsenic	[mg/kg]	<0.20	<0.02	<0.02	<0.02	<0.02
• Lead	[mg/kg]	<0.20	<0.02	<0.02	<0.02	0.04
• Cadmium	[mg/kg]	<0.10	<0.02	<0.02	<0.02	<0.02
• Chromium total	[mg/kg]	<1.0	<0.02	<0.02	<0.02	<0.02
• Cobalt	[mg/kg]	<1.0	<0.02	<0.02	<0.02	0.09
• Copper	[mg/kg]	<25	<1.0	<1.0	1.1	1.7
• Nickel	[mg/kg]	<1.0	<0.10	<0.10	<0.10	<0.10
• Mercury	[mg/kg]	<0.02	<0.01	<0.01	<0.01	<0.01
• Selenium	[mg/kg]	<100	<0.40	<0.40	<0.40	<0.40
• Zinc	[mg/kg]		<2.00	<2.00	<2.00	<2.00
• Manganese	[mg/kg]		<0.40	<0.40	0.47	1.3
• Barium	[mg/kg]	<1000	<2.00	<2.00	<2.00	<2.00

		STANDARD 100 Product Class I Annex 4	#9 PES tape with flame retardant Black	#10 PES tape with flame retardant raw white
Heavy Metals OEKO-TEX® Method 3.1 (Extract)				
Number of Tests			1	1
• Antimony	[mg/kg]	<30	2.3	2.3
• Arsenic	[mg/kg]	<0.20	<0.02	<0.02
• Lead	[mg/kg]	<0.20	0.03	0.03
• Cadmium	[mg/kg]	<0.10	<0.02	<0.02
• Chromium total	[mg/kg]	<1.0	<0.02	<0.02
• Cobalt	[mg/kg]	<1.0	0.06	0.06
• Copper	[mg/kg]	<25	<1.0	<1.0
• Nickel	[mg/kg]	<1.0	<0.10	<0.10
• Mercury	[mg/kg]	<0.02	<0.01	<0.01
• Selenium	[mg/kg]	<100	<0.40	<0.40
• Zinc	[mg/kg]		<2.00	<2.00
• Manganese	[mg/kg]		<0.40	<0.40
• Barium	[mg/kg]	<1000	<2.00	<2.00

		STANDARD 100 Product Class I Annex 4	#11 Zinc alloy slider painted in Navy	#14 Zinc alloy slider painted in Green	#16 Zinc alloy slider painted in Black	#18 Aluminum wire for box + stop raw
Heavy Metals OEKO-TEX® Method 3.1 (Extract; inorganic accessories))						
Number of Tests			1	1	1	1
• Antimony	[mg/kg]	<30	<0.1	<0.1	<0.1	<0.1
• Arsenic	[mg/kg]	<0.20	<0.02	<0.02	<0.02	<0.02
• Lead	[mg/kg]	<0.20	<0.02	0.04	<0.02	0.03
• Cadmium	[mg/kg]	<0.10	<0.02	<0.02	<0.02	<0.02
• Chromium total	[mg/kg]	<1.0	<0.02	<0.02	<0.02	0.03
• Cobalt	[mg/kg]	<1.0	<0.02	<0.02	<0.02	<0.02
• Copper	[mg/kg]		<1.00	<1.00	1.4	<1.00
• Nickel	[mg/kg]	<0.50	<0.10	<0.10	<0.10	<0.10
• Mercury	[mg/kg]	<0.02	<0.01	<0.01	<0.01	<0.01
• Selenium	[mg/kg]	<100	<0.40	<0.40	<0.40	<0.40
• Zinc	[mg/kg]		55	32	110	<2.00
• Manganese	[mg/kg]		<0.40	<0.40	<0.40	0.47
• Barium	[mg/kg]	<1000	<2.00	<2.00	<2.00	<2.00

		STANDARD 100 Product Class I Annex 4	#14 Zinc alloy slider painted in Green	#16 Zinc alloy slider painted in Black
Heavy Metals OEKO-TEX® Method 3.1 (incl. EN 12472)				
Number of Tests			1	1
• Nickel	[mg/kg]	<0.50	0.10	0.12
• Lead	[mg/kg]		<0.10	<0.10

		STANDARD 100 Product Class I Annex 4	#2 Delrin POM teeth coloured B Dk. Green	#4 PES tape + coil dyed B Brown	#12 Index 11 metal part	#13 Index 11 painted part
Heavy Metals OEKO-TEX® Method 3.2 (Digestion)						
Number of Tests			1	1	1	1
• Lead	[mg/kg]	<90	<4.0	<4.0	13	<4.0
• Cadmium	[mg/kg]	<40	<0.20	<0.20	0.76	<0.20
• Antimony	[mg/kg]		40	200	3.8	<0.20

		STANDARD 100 Product Class I Annex 4	#15 Index 14 painted part	#17 Zinc alloy slider raw	#18 Aluminum wire for box + stop raw	#19 PA reinforcement film in clear with white PES tape
Heavy Metals						
OEKO-TEX® Method 3.2 (Digestion)						
Number of Tests			1	1	1	1
• Lead	[mg/kg]	<90	<4.0	12	35	<4.0
• Cadmium	[mg/kg]	<40	<0.20	0.93	20	<0.20
• Antimony	[mg/kg]		0.5	0.95	18	73

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#4 PES tape + coil dyed B Brown	#6 PES tape dyed D Coffee	#11 Zinc alloy slider painted in Navy
Chlorinated Phenols and OPP						
OEKO-TEX® Method 5						
Number of Tests			1	1	1	1
• OPP (Orthophenylphenol)	[mg/kg]	<10	<0.05	<0.05	<0.05	<0.05
• Pentachlorophenol (PCP)	[mg/kg]	<0.05	<0.01	<0.01	<0.01	<0.01
• 2,3,5,6-TeCP	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,4,6-TeCP	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,4,5-TeCP	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Tetrachlorophenols (TeCP, Sum)	[mg/kg]	<0.05	<0.01	<0.01	<0.01	<0.01
• 2,3,4-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,3,5-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,3,6-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,4,5-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,4,6-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 3,4,5-TrCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• Trichlorophenols (TrCP, Sum)	[mg/kg]	<0.20	<0.05	<0.05	<0.05	<0.05
• 2,4/2,5-DCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,6-DCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2,3-DCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 3,4-DCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 3,5-DCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• Dichlorophenols (DCP, Sum)	[mg/kg]	<0.50	<0.05	<0.05	<0.05	<0.05
• 2-MCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 3-MCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 4-MCP	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• Monochlorophenols (MCP, Sum)	[mg/kg]	<0.50	<0.05	<0.05	<0.05	<0.05
• Phenol	[mg/kg]	<20	<5.0	<5.0	<5.0	14

		STANDARD 100 Product Class I Annex 4	#2 Delrin POM teeth coloured B Dk. Green	#4 PES tape + coil dyed B Brown	#16 Zinc alloy slider painted in Black	#19 PA reinforcement film in clear with white PES tape
Plasticisers						
OEKO-TEX® Method 6						
Number of Tests			1	1	1	1
• DMP	[%]		<0.001	<0.001	<0.001	<0.001
• DEP	[%]		<0.001	<0.001	<0.001	<0.001
• DPrP	[%]		<0.001	<0.001	<0.001	<0.001
• DIBP	[%]		<0.001	<0.001	<0.001	<0.001
• DBP	[%]		<0.001	<0.001	<0.001	<0.001
• DMEP	[%]		<0.001	<0.001	<0.001	<0.001
• DIPP	[%]		<0.001	<0.001	<0.001	<0.001
• NPIPP	[%]		<0.001	<0.001	<0.001	<0.001
• DPP	[%]		<0.001	<0.001	<0.001	<0.001
• DIHxP	[%]		<0.001	<0.001	<0.001	<0.001
• DHxP	[%]		<0.001	<0.001	<0.001	<0.001
• BBP	[%]		<0.001	<0.001	<0.001	<0.001
• DIHP*	[%]		<0.001	<0.001	<0.001	<0.001
• DIOP	[%]		<0.001	<0.001	<0.001	<0.001
• DCHP	[%]		<0.001	<0.001	<0.001	<0.001
• DEHP	[%]		<0.001	<0.001	<0.001	<0.001
• DNOP	[%]		<0.001	<0.001	<0.001	<0.001
• DINP*	[%]		<0.001	<0.001	<0.001	<0.001
• DNP	[%]		<0.001	<0.001	<0.001	<0.001
• DIDP	[%]		<0.001	<0.001	<0.001	<0.001
• DUP*	[%]		<0.001	<0.001	<0.001	<0.001
• Sum w/ DINP	[%]	<0.10	<0.001	<0.001	<0.001	<0.001
• Sum w/o DINP	[%]		<0.001	<0.001	<0.001	<0.001
• * Components of DHNUP						
• DDDP	[%]		<0.001	<0.001	<0.001	<0.001
• Bisphenol A	[%]	<0.10	<0.0001	<0.0001	<0.0001	<0.0001
• D4 (Octamethylcyclotetrasiloxane)	[%]	<0.10	<0.001	<0.001	<0.001	<0.001
• D5 (Decamethylcyclopentasiloxane)	[%]	<0.10	<0.001	<0.001	<0.001	<0.001
• D6 (Dodecamethylcyclohexasiloxane)	[%]	<0.10	<0.001	<0.001	<0.001	<0.001

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#3 PES tape + coil dyed A Grey	#8 PES tape dyed F Violet	#19 PA reinforcement film in clear with white PES tape
Organic Tin Compounds OEKO-TEX® Method 7						
Number of Tests			1	1	1	1
• Trimethyltin (TMT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Dimethyltin (DMT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Monomethyltin (MMT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Tetraethyltin (TeET)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Dipropyltin (DPT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Monobutyltin (MBT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Tripropyltin (TPT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Dibutyltin (DBT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Monophenyltin (MPhT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Tributyltin (TBT)	[mg/kg]	<0.50	<0.05	<0.05	<0.05	<0.05
• Monooctyltin (MOT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Tetrabutyltin (TeBT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Diphenyltin (DPhT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Dioctyltin (DOT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Tricyclohexyltin (TCT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05
• Triphenyltin (TPhT)	[mg/kg]	<0.50	<0.05	<0.05	<0.05	<0.05
• Trioctyltin (TOT)	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#2 Delrin POM teeth coloured B Dk. Green	#14 Zinc alloy slider painted in Green	#16 Zinc alloy slider painted in Black
Azo Dyes						
OEKO-TEX® Method 11.1 (direct)						
Number of Tests			1	1	1	1
• Aniline	[mg/kg]	<20	<5.0	<5.0	<5.0	<5.0
• o-Toluidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Xylidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,6-Xylidine	[mg/kg]	<20	<10	<10	<10	<10
• o-Anisidine	[mg/kg]	<20	<10	<10	<10	<10
• p-Chloraniline	[mg/kg]	<20	<10	<10	<10	<10
• p-Cresidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4,5-Trimethylaniline	[mg/kg]	<20	<10	<10	<10	<10
• 4-Chloro-o-toluidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Toluylenediamine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Diaminoanisole	[mg/kg]	<20	<10	<10	<10	<10
• 2-Naphthylamine	[mg/kg]	<20	<10	<10	<10	<10
• 2-Amino-4-nitrotoluene	[mg/kg]	<20	<10	<10	<10	<10
• 4-Aminodiphenyl	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Oxydianiline	[mg/kg]	<20	<10	<10	<10	<10
• Benzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10	<10
• o-Aminoazotoluene	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethylbenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Thiodianiline	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dichlorobenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Methylene-bis-(2-chloraniline)	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethoxybenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 1,4-Phenylenediamine	[mg/kg]		<10	<10	<10	<10
• N-Methylaniline	[mg/kg]		<10	<10	<10	<10

		STANDARD 100 Product Class I Annex 4	#3 PES tape + coil dyed A Grey	#5 PES tape dyed C Black	#6 PES tape dyed D Coffee	#7 PES tape dyed E Purple
Azo Dyes						
OEKO-TEX® Method 11.1 (Extract)						
Number of Tests			1	1	1	1
• Aniline	[mg/kg]	<20	<5.0	<5.0	<5.0	<5.0
• o-Toluidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Xylidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,6-Xylidine	[mg/kg]	<20	<10	<10	<10	<10
• o-Anisidine	[mg/kg]	<20	<10	<10	<10	<10
• p-Chloraniline	[mg/kg]	<20	<10	<10	<10	<10
• p-Cresidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4,5-Trimethylaniline	[mg/kg]	<20	<10	<10	<10	<10
• 4-Chloro-o-toluidine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Toluylenediamine	[mg/kg]	<20	<10	<10	<10	<10
• 2,4-Diaminoanisole	[mg/kg]	<20	<10	<10	<10	<10
• 2-Naphthylamine	[mg/kg]	<20	<10	<10	<10	<10
• 2-Amino-4-nitrotoluene	[mg/kg]	<20	<10	<10	<10	<10
• 4-Aminodiphenyl	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Oxydianiline	[mg/kg]	<20	<10	<10	<10	<10
• Benzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10	<10
• o-Aminoazotoluene	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethylbenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Thiodianiline	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dichlorobenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 4,4'-Methylene-bis-(2-chloraniline)	[mg/kg]	<20	<10	<10	<10	<10
• 3,3'-Dimethoxybenzidine	[mg/kg]	<20	<10	<10	<10	<10
• 1,4-Phenylenediamine	[mg/kg]		<10	<10	<10	<10
• N-Methylaniline	[mg/kg]		<10	<10	<10	<10

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#2 Delrin POM teeth coloured B Dk. Green	#3 PES tape + coil dyed A Grey	#4 PES tape + coil dyed B Brown
Disperse Dyes						
OEKO-TEX® Method 11.3/11.4						
Number of Tests			1	1	1	1
• C.I. Disperse Blue 1*	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 3	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 7	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 26	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 35	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 102	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 106	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 124	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 3	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 11*	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 37/76	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 149	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Red 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Red 11	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Red 17	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 3*	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 9	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 23°	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 39S	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 49	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Brown 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 39	[mg/kg]	<50	<10	<10	<10	<10
• Quinoline	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Basic Green 4	[mg/kg]	<50	<10	<10	<10	<10
• Solvent Yellow 34	[mg/kg]		<10	<10	<10	<10

		STANDARD 100 Product Class I Annex 4	#5 PES tape dyed C Black	#8 PES tape dyed F Violet	#11 Zinc alloy slider painted in Navy	#16 Zinc alloy slider painted in Black
Disperse Dyes						
OEKO-TEX® Method 11.3/11.4						
Number of Tests			1	1	1	1
• C.I. Disperse Blue 1*	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 3	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 7	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 26	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 35	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 102	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 106	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Blue 124	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 3	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 11*	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 37/76	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Orange 149	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Red 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Red 11	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Red 17	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 3*	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 9	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 23°	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 39S	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 49	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Brown 1	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Disperse Yellow 39	[mg/kg]	<50	<10	<10	<10	<10
• Quinoline	[mg/kg]	<50	<10	<10	<10	<10
• C.I. Basic Green 4	[mg/kg]	<50	<10	<10	<10	<10
• Solvent Yellow 34	[mg/kg]		<10	<10	<10	<10

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#2 Delrin POM teeth coloured B Dk. Green	#3 PES tape + coil dyed A Grey	#4 PES tape + coil dyed B Brown
Chlorinated Benzenes & Toluenes						
OEKO-TEX® Method 12						
Number of Tests			1	1	1	1
• Chlorobenzene	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2-Chlorotoluene	[mg/kg]		<0.02	<0.02	<0.02	<0.02
• 3-Chlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 4-Chlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,3-Dichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Benzylchloride	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,4-Dichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2-Dichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,4-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,5-/ 2,6-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,3,5-Trichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,α-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3-/ 3,4-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,4-Trichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,3-Trichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,α,α-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,4,5-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,6-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,3,5-Tetrachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,4,5-Tetrachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,2,6-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,2,4-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,3,4-Tetrachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,3,4-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,α,α,2-Tetrachlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Pentachlorobenzene	[mg/kg]		<0.01	<0.01	0.06	0.06
• 2,3,4,5,6-Pentachlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Hexachlorobenzene	[mg/kg]		0.02	0.02	<0.01	<0.01
• Sum	[mg/kg]	<1.0	<0.05	<0.05	0.06	0.06

		STANDARD 100 Product Class I Annex 4	#5 PES tape dyed C Black	#6 PES tape dyed D Coffee	#7 PES tape dyed E Purple	#8 PES tape dyed F Violet
Chlorinated Benzenes & Toluenes						
OEKO-TEX® Method 12						
Number of Tests			1	1	1	1
• Chlorobenzene	[mg/kg]		<0.05	<0.05	<0.05	<0.05
• 2-Chlorotoluene	[mg/kg]		<0.02	<0.02	<0.02	<0.02
• 3-Chlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 4-Chlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,3-Dichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Benzylchloride	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,4-Dichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2-Dichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,4-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,5-/ 2,6-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,3,5-Trichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,α-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3-/ 3,4-Dichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,4-Trichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,3-Trichlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,α,α-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,4,5-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,6-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,3,5-Tetrachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,4,5-Tetrachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,2,6-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,2,4-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1,2,3,4-Tetrachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,3,4-Trichlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• α,α,α,2-Tetrachlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Pentachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 2,3,4,5,6-Pentachlorotoluene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Hexachlorobenzene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Sum	[mg/kg]	<1.0	<0.05	<0.05	<0.05	<0.05

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#2 Delrin POM teeth coloured B Dk. Green	#4 PES tape + coil dyed B Brown	#19 PA reinforcement film in clear with white PES tape
Polycyclic Aromatic Hydrocarbons (PAH) OEKO-TEX® Method 13						
Number of Tests			1	1	1	1
• Naphthalene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Acenaphthylene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Acenaphthene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Fluorene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Phenanthrene	[mg/kg]		0.08	0.08	0.12	0.12
• Anthracene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Fluoranthene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• 1-Methylpyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Cyclopenta[cd]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Benzo[a]anthracene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Chrysene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Benzo[b]fluoranthene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Benzo[k]fluoranthene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Benzo[j]fluoranthene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Benzo[e]pyrene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Benzo[a]pyrene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Dibenzo[ah]anthracene	[mg/kg]	<0.50	<0.01	<0.01	<0.01	<0.01
• Indeno[1,2,3-cd]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Benzo[ghi]perylene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Dibenzo[ae]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Dibenzo[al]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Dibenzo[ai]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Dibenzo[ah]pyrene	[mg/kg]		<0.01	<0.01	<0.01	<0.01
• Sum	[mg/kg]	<5.0	0.08	0.08	0.12	0.12

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#3 PES tape + coil dyed A Grey	#5 PES tape dyed C Black	#7 PES tape dyed E Purple
Surfactants, Wetting Agent Residues OEKO-TEX® Method 15						
Number of Tests			1	1	1	1
• Pentylphenol (PeP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Heptylphenol (HpP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Octylphenol (OP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Nonylphenol (NP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Sum AP	[mg/kg]	<10	<0.1	<0.1	<0.1	<0.1
• Octylphenolethoxylate (OPEO)	[mg/kg]		<1.0	<1.0	<1.0	<1.0
• Nonylphenolethoxylate (NPEO)	[mg/kg]		<1.0	<1.0	<1.0	8.1
• Sum AP & APEO	[mg/kg]	<100	<0.1	<0.1	<0.1	8.1

		STANDARD 100 Product Class I Annex 4	#8 PES tape dyed F Violet	#11 Zinc alloy slider painted in Navy	#14 Zinc alloy slider painted in Green	#19 PA reinforcement film in clear with white PES tape
Surfactants, Wetting Agent Residues OEKO-TEX® Method 15						
Number of Tests			1	1	1	1
• Pentylphenol (PeP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Heptylphenol (HpP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Octylphenol (OP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Nonylphenol (NP)	[mg/kg]		<0.1	<0.1	<0.1	<0.1
• Sum AP	[mg/kg]	<10	<0.1	<0.1	<0.1	<0.1
• Octylphenolethoxylate (OPEO)	[mg/kg]		<1.0	<1.0	<1.0	<1.0
• Nonylphenolethoxylate (NPEO)	[mg/kg]		<1.0	<1.0	<1.0	8.1
• Sum AP & APEO	[mg/kg]	<100	<0.1	<0.1	<0.1	8.1

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#4 PES tape + coil dyed B Brown	#5 PES tape dyed C Black	#7 PES tape dyed E Purple
Colour Fastness To Water						
OEKO-TEX® Method 20-C (EN ISO 105-E01)						
Number of Tests			1	1	1	1
• Change in colour	[grade]		4-5	4-5	4-5	4-5
• Staining	[grade]	>=3-4	4-5	4-5	4-5	4-5

		STANDARD 100 Product Class I Annex 4	#9 PES tape with flame retardant Black
Colour Fastness To Water			
OEKO-TEX® Method 20-C (EN ISO 105-E01)			
Number of Tests			1
• Change in colour	[grade]		4-5
• Staining	[grade]	>=3-4	4-5

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#4 PES tape + coil dyed B Brown	#5 PES tape dyed C Black	#7 PES tape dyed E Purple
Colour Fastness To Perspiration						
OEKO-TEX® Method 20-B (EN ISO 105-E04)						
Number of Tests			1	1	1	1
• Fastness to acid solution						
• Change in colour (acid)	[grade]		4-5	4-5	4-5	4-5
• Staining (acid)	[grade]	>=3-4	4-5	4-5	4-5	4-5
• Fastness to alkaline solution						
• Change in colour (alkaline)	[grade]		4-5	4-5	4-5	4-5
• Staining (alkaline)	[grade]	>=3-4	4-5	4-5	4-5	4-5

		STANDARD 100 Product Class I Annex 4	#9 PES tape with flame retardant Black
Colour Fastness To Perspiration			
OEKO-TEX® Method 20-B (EN ISO 105-E04)			
Number of Tests			1
• Fastness to acid solution			
• Change in colour (acid)	[grade]		4-5
• Staining (acid)	[grade]	>=3-4	4-5
• Fastness to alkaline solution			
• Change in colour (alkaline)	[grade]		4-5
• Staining (alkaline)	[grade]	>=3-4	4-5

		STANDARD 100 Product Class I Annex 4	#1 Delrin POM teeth coloured A Red	#2 Delrin POM teeth coloured B Dk. Green	#3 PES tape + coil dyed A Grey	#4 PES tape + coil dyed B Brown
Colour Fastness To Saliva And Perspiration OEKO-TEX® Method 20-A						
Number of Tests			1	1	1	1
• Colour fastness (saliva)	[yes/no]	yes	yes	yes	yes	yes
• Colour fastness (perspiration)	[yes/no]	yes	yes	yes	yes	yes

		STANDARD 100 Product Class I Annex 4	#5 PES tape dyed C Black	#6 PES tape dyed D Coffee	#7 PES tape dyed E Purple	#8 PES tape dyed F Violet
Colour Fastness To Saliva And Perspiration OEKO-TEX® Method 20-A						
Number of Tests			1	1	1	1
• Colour fastness (saliva)	[yes/no]	yes	yes	yes	yes	yes
• Colour fastness (perspiration)	[yes/no]	yes	yes	yes	yes	yes

		STANDARD 100 Product Class I Annex 4	#9 PES tape with flame retardant Black
Colour Fastness To Saliva And Perspiration OEKO-TEX® Method 20-A			
Number of Tests			1
• Colour fastness (saliva)	[yes/no]	yes	yes
• Colour fastness (perspiration)	[yes/no]	yes	yes

7 Base Certificates List

Active Base Certificates for TPAO 054092 (Kuang Suo Company Ltd.)
30.12.2019

Certificate holder	Certificate	Product class / Annex	Expiry date	Certificate state
Far Eastern New Century Corporation	TPFO 042351-Testex	I / 6	30.04.2020	Valid
Hung Chou Fiber Industrial Co., Ltd.	TPYO 073313-TESTEX AG	I / 4	31.01.2020	Valid

8 Remarks

Period of Validity

There are no regulations concerning duration of validity in the individual test standards. As the results of the examinations refer only to the submitted and examined samples, the report is valid for these for an unlimited period. A period of validity specified as part of an expert evaluation is in the discretion of the consultant or TESTEX. The applicability of results and expert evaluations for materials not tested is in the responsibility of the applicant. Whereby an apportionment of results as well as any specified period of validity can only be done for identically constructed products and only as long as the product is produced unchanged. Possible national or international restrictions concerning the terms of usability of test and classification reports have to be considered; this is not the responsibility of the test laboratory.

Sample Material

Results of performed tests only refer to the sample material provided. Without explicit written other agreement testing is destructive and the sample material is transferred to the property of TESTEX, which is entitled to freely decide on storage and disposal.

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The valid first issue is done in paper and has single-handed signatures. Translations will be marked accordingly on the cover sheet.

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All tests and services are performed under a quality management system according to EN ISO/IEC 17025 respectively EN ISO/IEC 17065. TESTEX is accredited as Testing Laboratory and Certification Body for products as well as Notified Body (NB1724). (see http://ec.europa.eu/enterprise/newapproach/nando/). Accreditation was provided by National Swiss Accreditation Body (SAS). The scope of accreditation is listed on www.testex.com. Due to the system for the mutual recognition of national accreditations (ILAC/IAF), this accreditation is valid worldwide. In this report individual non-accredited test procedures are marked with *. However, the analysis was also carried out for these parameters at the same level of quality as for the accredited parameters. According to the decree on the use of the accreditation mark (AkkBV") the accredited Conformity Assessment Body is the only one to use the accreditation mark. Application of the registration number of the Notified Body: As to personal protective equipment (PPE) the requirements of PSAV, article 3, paragraph 3 and the Regulation (EU) 2016/425 have to be kept. With construction products the application is only permitted within the declaration of performance for CE-marking.

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