



**Artex bv - De Ploeg
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Your notice of
01-07-2019

Your reference

Date
16-07-2019

Analysis Report 19.03850.01

Required tests :

ISO 13936-2 (2004)
ISO 105-B02 (2014)
ISO 105-X12 (2001)
UK Furniture and Furnishings (Fire) (Safety) regulations (1988) No. 1324
UK Furniture and Furnishings (Fire) (Safety) regulations (1988) No. 1324

Determination of the seam slippage at a specified force.
Determination of the colour fastness to light
Determination of the colour fastness to rubbing
The Furniture and Furnishings (Fire) (Safety) regulations : 1988 No. 1324 - Schedule 4 part I – The cigarette test - BS 5852 part 1 (1979)
The Furniture and Furnishings (Fire) (Safety) regulations : 1988 No. 1324 - Schedule 5 part I – The match test - BS 5852 part 1 (1979)

Identification number	Information given by the client	Date of receipt
T1914599	Monza	01-07-2019
T1914600	Osino	01-07-2019

Lies Alboort
Order responsible

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Reference: T1914599 - Monza

Determination of the seam slippage at a specified force.

Date of ending the test 09-07-2019
 Standard used ISO 13936-2 (2004)
 Product standard EN 14465 (2003) + A1 (2006)

Deviation from the standard -
 Conditioning 20°C, relative humidity 65%
 Stitching type 74 tex (PES) and a needle size N° 110 and 32 stitches per 100 mm

Apparatus Instron, type CRE, class 0,5
 Cell 1 kN
 Rate 50 mm/min
 Number of test specimens 5 (Warp direction (weft//seam))
 5 (Weft direction (warp//seam))

Seam opening after reducing of the strength of 180 N to 5 N (mm)

	Warp direction (weft//seam)	Weft direction (warp//seam)
	Seam opening after reduction at 5 N (mm)	Seam opening after reduction at 5 N (mm)
#1	0.0	1.0
#2	0.5	1.0
#3	0.5	2.0
#4	0.0	2.0
#5	0.0	1.5
Average	0.0 mm	1.5 mm

During the test executed in the direction of the warp, the weft threads are gliding, during the test executed in the direction of the weft, the warp threads are gliding



Reference: T1914599 - Monza

Determination of the colour fastness to light

Date of ending the test	11-07-2019
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 220+ Atlas
Exposure	Constant
Irradiance	42 W/m ² @ 300-400 nm
Black standard temperature	47±3°C
Effective humidity	±40%

Assessment according the blue scale standard
Numerical rating Blue scale grade ≥ 7



Reference: T1914599 - Monza

Determination of the colour fastness to rubbing

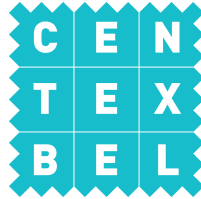
Date of ending the test 09-07-2019
 Standard used ISO 105-X12 (2001)
 Product standard EN 14465 (2003) + A1 (2006)

Deviation from the standard -
 Conditioning 20°C, relative humidity 65%
 Apparatus Crockmeter
 Applied finger Ø 16 mm
 Pressure on test specimen 9 N
 Number of cycles 10

Assessment of staining according to the grey scales (ISO 105 A03)

Numerical rating

	Warp direction	Weft direction
Dry	4-5	4-5
Wet	4	4



Reference: T1914599 - Monza

The Furniture and Furnishings (Fire) (Safety) regulations : 1988 No. 1324 - Schedule 4 part I – The cigarette test - BS 5852 part 1 (1979)

Date of ending the test 12-07-2019
Standard used UK Furniture and Furnishings (Fire) (Safety) regulations (1988) No. 1324

Deviation from the standard -

Conditioning 23°C, relative humidity 50%

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test ; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

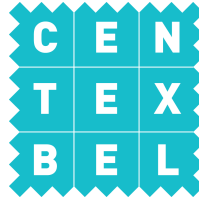
Specimens have not been cleaned

Filling T 23140 (Recticel) * - non-fire retardant foam - ± 22 kg/m³

* The filling complies with the requirements as indicated in schedule 5 part 1 of the UK Furniture and Furnishings (Fire) (Safety) Regulations 1988

	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than 1 hour	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Occurrence of flames	no	no
	non-ignition	non-ignition

Conclusion Non-ignition



Reference: T1914599 - Monza

The Furniture and Furnishings (Fire) (Safety) regulations : 1988 No. 1324 - Schedule 5 part I – The match test - BS 5852 part 1 (1979)

Date of ending the test 12-07-2019
Standard used UK Furniture and Furnishings (Fire) (Safety) regulations (1988) No. 1324

Deviation from the standard -

Conditioning 23°C, relative humidity 50%

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test ; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Specimens have not been cleaned

Filling T 23140 (Recticel) * - non-fire retardant foam - ± 22 kg/m³

* The filling complies with the requirements as indicated in schedule 5 part 1 of the UK Furniture and Furnishings (Fire) (Safety) Regulations 1988

Flame application time (s) 20

	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke/heat/glowing more than 15 min	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flaming > 120 s	no	no
Afterflame time (s)	0	0
	non-ignition	non-ignition

Conclusion Non-ignition

Reference: T1914600 - Osino

Determination of the seam slippage at a specified force.

Date of ending the test 09-07-2019
 Standard used ISO 13936-2 (2004)
 Product standard EN 14465 (2003) + A1 (2006)

Deviation from the standard -
 Conditioning 20°C, relative humidity 65%
 Stitching type 74 tex (PES) and a needle size N° 110 and 32 stitches per 100 mm

Apparatus Instron, type CRE, class 0,5
 Cell 1 kN
 Rate 50 mm/min
 Number of test specimens 5 (Warp direction (weft//seam))
 5 (Weft direction (warp//seam))

Seam opening after reducing of the strength of 180 N to 5 N (mm)

	Warp direction (weft//seam)	Weft direction (warp//seam)
	Seam opening after reduction at 5 N (mm)	Seam opening after reduction at 5 N (mm)
#1	1.0	0.5
#2	0.5	0.0
#3	0.5	0.5
#4	1.0	0.0
#5	0.5	0.5
Average	0.5 mm	0.5 mm

During the test executed in the direction of the warp, the weft threads are gliding, during the test executed in the direction of the weft, the warp threads are gliding



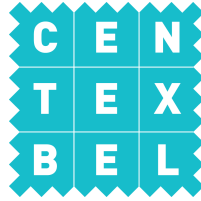
Reference: T1914600 - Osino

Determination of the colour fastness to light

Date of ending the test	11-07-2019
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 220+ Atlas
Exposure	Constant
Irradiance	42 W/m ² @ 300-400 nm
Black standard temperature	47±3°C
Effective humidity	±40%

Assessment according the blue scale standard

Numerical rating Blue scale grade 6-7



Reference: T1914600 - Osino

Determination of the colour fastness to rubbing

Date of ending the test 09-07-2019
 Standard used ISO 105-X12 (2001)
 Product standard EN 14465 (2003) + A1 (2006)

Deviation from the standard -
 Conditioning 20°C, relative humidity 65%
 Apparatus Crockmeter
 Applied finger Ø 16 mm
 Pressure on test specimen 9 N
 Number of cycles 10

Assessment of staining according to the grey scales (ISO 105 A03)

Numerical rating

	Warp direction	Weft direction
Dry	4-5	4-5
Wet	4-5	4-5