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Your notice of	**Your reference**	**Date**
27-08-2019		09-09-2019

Analysis Report 19.04767.01

Required tests :

California Technical Bulletin 117 (2013)
EN 14465 (2003) + A1 (2006)

Identification number	Information given by the client	Date of receipt
T1918324	MONZA	27-08-2019

Lies Alboort
Order responsible

The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.
In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.

ISO 17025 BELAC 056-TEST

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Reference: **T1918324 - MONZA**

Section 1 : cover fabric test

Date of ending the test	05-09-2019
Standard used	ASTM E1353-08a (2013)
Product standard	California Technical Bulletin 117 (2013)
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Filling	T 30130 (Recticel) - non-fire retardant foam
Cover Sheeting Material	Composition 100 % cotton - laundered weight (125 ± 28) g/m²

	1	2	3
Open flaming	no	no	no
Smoulders more than 45 min.	no	no	no
Vertical char length > 45 mm	no	no	no

Test criteria
- no open flaming
- smouldering ≤ 45 minutes
- vertical char ≤ 45 mm

Requirements
- all specimens meet the test criteria → PASS
- two or more specimens fail the test criteria → FAIL
- one specimen fails the test criteria → 3 additional tests → PASS
  all specimens meet the test criteria

Conclusion **Pass**

Reference: **T1918324 - MONZA**

Determination of the breaking strength and elongation

Date of ending the test	02-09-2019
Standard used	ISO 13934-1 (1999)
Product standard	EN 14465 (2003) + A1 (2006)
Deviation from the standard	-
Conditioning	20°C, relative humidity 65%
Apparatus	Instron, type CRE, class 0,5
Cell	5 kN (Warp direction)
Pretension (automatically)	10 N
Clamps sheeting	Covered with rubber
Rate	100 mm/min
Number of test specimens	5 (Warp direction) 5 (Weft direction)
Gauge length	200 mm
Width	Fringed, 50 mm

Conditioned

	Warp direction		Weft direction	
Specimen	Force (N)	Elongation (%)	Force (N)	Elongation (%)
#1	1 296	28.6	1 035	12.3
#2	1 288	28.4	1 051	12.2
#3	1 370	30.0	1 066	12.1
#4	1 339	29.1	1 065	12.3
#5	1 277	29.1	1 068	12.4
Average	1 300 N	29.0 %	1 100 N	12.5 %

Reference: **T1918324 - MONZA**

Determination of tearing resistance - method wingrip

Date of ending the test	03-09-2019
Standard used	EN ISO 13937-3 (2000)
Product standard	EN 14465 (2003) + A1 (2006)
Deviation from the standard	-
Conditioning	20°C, relative humidity 65%
Apparatus	Instron, type CRE, class 0,5
Cell	1 kN (Warp direction)
Rate	100 mm/min
Number of test specimens	5 (Warp direction) 5 (Weft direction)
Calculation	Automatic - the first quarter of the diagram is removed, afterwards the average of all the peaks

	Tear resistance (N)	
	Warp direction	Weft direction
#1	197	234
#2	192	221
#3	188	237
#4	189	231
#5	197	230
Average	190 N	230 N

For tests in warp direction, the weft yarns tear, for tests in weft direction, the warp yarns tear.

Reference: **T1918324 - MONZA**

Determination of the bursting strength

Date of ending the test	05-09-2019
Standard used	ISO 13938-1 (1999)
Product standard	EN 14465 (2003) + A1 (2006)
Deviation from the standard	-
Conditioning	20°C, relative humidity 65%
Apparatus	PSI - Burst Digital Bursting Strength Tester model 111A
Measuring surface	50 cm^2
Time duration	20±5 s
Number of measurements	5

Conditioned

Test specimen	Measured bursting strength (kPa)	Height (mm)
#1	856	25
#2	783	24
#3	812	24
#4	836	25
#5	839	25
Average	825 kPa	25 mm

mean of measured bursting strength	825 kPa
average correction for the distension of the diaphragm	31 kPa
mean value for the corrected bursting strength	794 kPa