

Report No.: A 893562-5



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Page 1 of 1 Chf/leln Order no.: 893562 No. of appendices: 1

Assignor: Gabriel A/S

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Subject:

Upholstery fabric, flat woven designated: Event 60022, grey. (as per info from the assigner).



Sampling: The test material was sampled by the client and received at the Danish Technological In-

stitute 27.11.2019

Method: See Appendix 1.

Period: The testing was completed 10.01.2020

Result: Individual results appear from Appendix 1.

Storage: The test material will be destroyed after 6 months, unless otherwise agreed.

Terms: The accredited test was carried out according to DANAK's general conditions see www.danak.dk and according to DANAK's general conditions see www.danak.dk and according to

the General Terms and Conditions regarding Commissioned Work Accepted by the Danish Technological Institute, which apply at the time of signing the agreement. The test is only valid for the tested specimen. The test report

may only be extracted, if the laboratory has approved the extract.

Date/place: 14.01.2020, Danish Technological Institute, Wood and Biomaterials, Textile, Taastrup

Signature: Test responsible Co-signatory







A 893562-5

Report no.: Appendix: Page: 1 of 2 Initials: Chf/leIn

Test Methods	Results				
Colour fastness to rubbing:	Tetrachloroethylene	<u> </u>			
Organic solvents	,	Warp dire	ection W	left direction	
ISO 105-D02:2016					
1-5 scale, 5 best rating	Staining:	4-5		4-5	
Rubbing finger:	Change in colour	5		5	
Cylinder 16 mm	White Spirit				
Force: 9 N		Warp dire	ction W	left direction	
Test conditions: 21°C, 65%RH		•			
	Staining:	4-5		4-5	
	Change in colour	5		5	
Colour fastness to washing	Staining of:				
EN ISO 105-C06:2010	Acetate	4-5			
Test no.: A1S (40°C)	Cotton	4-5			
1-5 scale, 5 best rating	Polyamide	4-5			
Detergent: ECE Bleaching agent:	Polyester	4-5			
Adjacent fabric:	Acrylic	4-5			
Multifibre DW, ISO 105-F10:1989	Wool	4-5			
Test conditions: 21°C, 65%RH	Change in colour:	4-5			
Modified abrasion resistance –					
Martindale	Individual re- >1	00000 ->100	0000 ->100	0000->100000	rubc
Part 2: Determination of specimen	Individual re- >100000 ->100000 ->100000->100000 rubs sults:				
breakdown					
DS/EN ISO 12947-2:2016	Colour change:				
Mass: 795 g	Colour change: Note 4-5 after 6000rubs				
Nominal pressure: 12 kPa	B 6 1 1 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2				
Foam: Yes	Performance level A, according to EN14465:2003				
Microscope, Magnifying about 10	Performance levels of abrasion resistance for a flat				
times. End-point: Three broken threads,	woven fabric:				
According to EN 14465:2003	Woven labrie.				
Colour change (1-5 scale, 5 best rat-	According to	Α	В	С]
ing) ISO 105-A02:1993	EN 14465:2004				
Test conditions: 21°C, 65%RH	Rubs (x 1000)	≥ 35	12-30	4-10	
Determination of fabric propensity	Assessment stage	Number o	f rubs <u>F</u>	<u>Pilling grade</u>	
to surface fuzzing and to pilling	1	500	500 4-5		
DS/EN ISO 12945-2:2000	2		1000		
Modified Martindale method	3	2000		4-5	
1-5 scale, 5 best rating Number of test specimens: 3	4	5000		4-5	
Number of test specifiens: 3	Final grade	4-5			
Pre-treatment: none	-				
Abradant: Wool abradant fabric	The final grading at 2000 rubs relates to fuzzing				
Loading mass: 415 g					
Test conditions: 21°C, 65%RH					



A 893562-5

Report no.: Appendix: Page: 2 of 2 Initials: Chf/leIn

Test Methods	Results	
Dimensional change in washing and drying DS/EN ISO 5077:2009 Marking and measuring, DS/EN ISO 3759:2011 Washing and drying, DS/EN ISO 6330:2012, procedure: 6M (60°C, gentle), C (Flat drying) Machine: Type 1, front loading Detergent: ECE 2 without bleach Ballast: 2 kg (type 2, 50% cotton/50% polyester) Test conditions: 21°C, 65%RH	The results are averages of 6 determinations Measured on fabric. 1 x wash 1 x drying Warp direction -2 % Weft direction -1,5 % -: Indicates shrinkage +: Indicates extension	
Colour fastness to water spotting EN ISO 105-E16:2007 Test conditions: 21°C, 65%RH Colour fastness to dry cleaning EN ISO 105-D01:2010 1-5 scale, 5 best rating Solvent: Perchlorethylene Adjacent fabric: Multifibre DW, ISO 105-F10:1989 Test conditions: 21°C, 65%RH	ColourChangeStaining55Staining of:Acetate5Cotton5Polyamide5Polyester5Acrylic5	
rest conditions. 21 C, 03 /aixi	Wool 5 Change in colour: 5	
Determination of the slippage resistance of yarns at a seam in woven fabrics - Fixed load method DS/EN ISO 13936-2:2004 Performed on: Standard seam Load: 180 N Test conditions: 21°C, 65%RH	Average of 5 determinations Seam parallel to warp: 2,5 mm seam opening Seam parallel to weft: 2,5 mm seam opening	