Test Report

Report No.: A 893562-5 rev 1



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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

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: 21.01.2020, Danish Technological Institute, Wood and Biomaterials, Textile, Taastrup

Signature: Test responsible Co-signatory







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Test Methods	Results				
Colour fastness to rubbing:	Tetrachloroethylene	9			
Organic solvents	,	Warp dire	ection W	eft 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 Test conditions: 21°C, 65%RH		Warp dire	ection W	<u>/eft direction</u>	
rest conditions. 21 C, 05 /0KT	a				
	Staining:	4-5		4-5	
	Change in colour	5		5	
Colour fastness to washing	Staining of:				
EN ISO 105-C06:2010 Test no.: A1S (40°C)	Acetate	4-5			
1-5 scale, 5 best rating	Cotton	4-5			
Detergent: ECE	Polyamide	4-5			
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 ro- >1	00000 ->100))))))))	0000->100000	rubc
Part 2: Determination of specimen	*Individual re- >100000 ->100000 ->100000->100000 rubs				
breakdown	Calarra ala arrara		NIt	4 5 - 6 - 2000	Normalia a
DS/EN ISO 12947-2:2016	Colour change: Note 4-5 after 3000rubs				
Mass: 795 g	Colour change: Note 4-5 after 6000rubs			ภ นมร	
Nominal pressure: 12 kPa	*Stopped at 100000 rubs without endpoint reached Performance level A, according to EN14465:2003				
Foam: Yes Microscope, Magnifying about 10	remaind level A, according to EN14405.2005				
times.	Performance levels of abrasion resistance for a flat				
End-point: Three broken threads,	woven fabric:				
According to EN 14465:2003	<u></u>			T	1
Colour change (1-5 scale, 5 best rat-	According to	Α	В	С	
ing) ISO 105-A02:1993	EN 14465:2004	> 25	12.20	4.10	
Test conditions: 21°C, 65%RH	Rubs (x 1000)	≥ 35	12-30	4-10	
Determination of fabric propensity	Assessment stage	<u>Number o</u>	<u>t rubs</u> <u>F</u>	<u>Pilling grade</u>	
to surface fuzzing and to pilling DS/EN ISO 12945-2:2000	1		500 4-		
Modified Martindale method	2	1000		4-5 4-5	
1-5 scale, 5 best rating	3		2000		
Number of test specimens: 3	4	5000	5000 4-5		
Number of observers: 2	Final grade 4-5				
Pre-treatment: none	The final grading at 2000 rubs relates to fuzzing				
Abradant: Wool abradant fabric				3	
Loading mass: 415 g Test conditions: 21°C, 65%RH					
TEST COHUITIONS: 21°C, 05%KH					



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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	ColourChangeStaining55Staining of:5Acetate5Cotton5Polyamide5
Adjacent fabric: Multifibre DW, ISO 105-F10:1989 Test conditions: 21°C, 65%RH	Polyamide 5 Polyester 5 Acrylic 5 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	Average of 5 determinations Seam parallel to warp: 2,5 mm seam opening Seam parallel to weft: 2,5 mm seam opening
Load: 180 N Test conditions: 21°C, 65%RH	