

Softlines

<b>Test Report</b>	No. 28511312	Date: 5 <sup>th</sup> March 2021	Page 1 of 4
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The following sample(s) was/were submitted and identified on behalf of the client as:


<b>Sample Description</b>	:	Go Check
<b>Customer</b>	:	<b>Gabriel</b>
<b>Colour</b>	:	61138
<b>Product type</b>	:	Upholstery fabric
<b>Fiber content</b>	:	-

Test Performed \* : Selected test(s) as requested by applicant \*  
 Sample Receiving Date : 11<sup>th</sup> January 2021  
 Testing Period : 11<sup>th</sup> January 2021 – 5<sup>th</sup> March 2021  
 Test Result(s) : For further details, please refer to the following page(s).

**Conclusion:**

Test Property	Results	Test Property	Results
Dimensional Stability to Washing	-	Pilling	-
Colour fastness to Washing	-	Abrasion	-
Colour fastness to Perspiration	-	Abrasion (ASTM D 4157)	Sub-con within group results to follow on completion
Colour Fastness to Rubbing (Wet & Dry)	-	Flammability	Sub-con within group results to follow on completion
Colour fastness to Water Spotting	Sub con to third party	Colour Fastness to Lights	Sub-con within group results to follow on completion
Seam Slippage	-	Colour fastness to Rubbing (Organic Solvents)	Sub-con within group results to follow on completion

Signed for and on behalf of  
TÜV Rheinland UK LTD

 George Mehmet  
2021.03.05  
13:34:19 Z

**George Mehmet**  
**Laboratory Technician**



*Test result is drawn according to the kind and extent of tests performed.  
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**Results:**

<b>Stability To Washing</b> (BS EN ISO 3759: 2011 / BS EN ISO 5077: 2008 / BS EN ISO 6330: 2012) Washing program No. 6M; Using horizontal axis, front-loading type machine: Machine wash at 60°C with 2kg total dry mass (type II (ballast+ specimen) and 'ECE(A)' detergent+ Sodium Perborate+ TAED, flat Dry.)	
<b>Direction</b>	<b>%Change</b>
Warp	-1.5
Weft	-3.0
Appearance After Dry Cleaning	No changes observed

<b>Colour Fastness To Washing</b> (BS EN ISO 105-C06: 2010) Washing Condition: A2S, 40°C With ECE(B) + Sodium Perborate, 10 Steel Balls.	
<b>Sample .....</b>	<b>Result</b>
<b>Colour Change</b>	5
<b>Self-Staining</b>	-
<b>Colour Staining</b>	<b>Result</b>
Acetate	5
Cotton	5
Polyamide	5
Polyester	5
Acrylic	5
Wool	5
Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good	

<b>Colour Fastness To Perspiration</b> (BS EN ISO 105-E04: 2013)		
<b>Sample .....</b>	<b>Result</b>	
	<b>Acid</b>	<b>Alkaline</b>
<b>Colour Change</b>	5	5
<b>Self-Staining</b>	-	-
<b>Colour Staining</b>	<b>Result</b>	<b>Result</b>
Acetate	5	5
Cotton	5	5
Polyamide	5	5
Polyester	5	5
Acrylic	5	5
Wool	5	5
Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good		



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<b>Colour Fastness To Rubbing</b> (BS EN ISO105-X12:2016); Size of rubbing finger: 16mm diameter			
<b>Staining</b>		<b>Colour Change</b>	
Length	Width	Length	Width
Dry: 5 Wet: 5	Dry: 5 Wet: 5	Dry: 5 Wet: 5	Dry: 5 Wet: 5

**Note:** Colour change not a requirement of the standard, this was carried out at the request of the client

<b>Colour Fastness To Water spotting</b> (BS EN ISO 105-E16:2007)	
	<b>Result</b>
Shade change centre	5
Shade change periphery	5

<b>Seam Slippage</b> (BS EN ISO 13936-2:2004)	
<b>Sample</b>	<b>Result</b>
Warp	1.2mm
Weft	1.0mm

<b>Pilling Resistance</b> (BS EN ISO 12945-2:2000; Martindale Abrasion & Pilling Tester; Total Load Applied 415g, tested against wool abradent fabric) No cleansing required	
<b>Sample</b>	<b>Average Result</b>
<b>After 2000 Rubs Rating</b>	5
<b>After 5000 Rubs Rating</b>	5
Remarks: Pilling Rating 5 - No change 4 - Slight surface fuzzing and/or partially formed pills 3 - Moderate surface fuzzing and/or moderate pilling. Pills of varying size and density partially covering the specimen 2 - Distinct fuzzing and/or distinct pilling. Pills of varying size and density covering a large proportion of the specimen surface 1 - Dense surface and/or severe pilling. Pills of varying size and density covering the whole of the specimen surface	



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<b>Abrasion Resistance</b> (BS EN ISO 12947-2:2016/AC:2006 according to BS EN 14465); Martindale Wear & Abrasion Tester; 12 kPa Pressure)			
<b>Result</b>			
	<b>Specimen 1</b>	<b>Specimen 2</b>	<b>Specimen 3</b>
End point reached, No three thread breakdown	80,000	80,000	0,000
Overall result	80,000		
Colour Change At 3000 (rubs)	5	5	5
Remarks: Grey Scale Rating is based on the step scale of 1 to 5, where 1 is bad and 5 is good Observation Technique:40 fold magnification			

-End of Test Report-