

<b>Test Report</b>	No. 28511321	Date: 5 <sup>th</sup> March 2021	Page 1 of 4
--------------------	--------------	----------------------------------	-------------

The following sample(s) was/were submitted and identified on behalf of the client as:


<b>Sample Description</b>	:	Rhythm
<b>Customer</b>	:	Gabriel
<b>Colour</b>	:	68121
<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 Water Spotting	Sub con to third party	Flammability	Sub-con within group results to follow on completion
Colour Fastness to Rubbing (Wet & Dry)	-	Colour Fastness to Lights	Sub-con within group results to follow on completion
Colour Fastness to Light (AATCC 16)	Sub-con within group results to follow on completion	Colour fastness to Rubbing (Organic Solvents)	Sub-con within group results to follow on completion
Seam Slippage	-	Colour Fastness to Rubbing AATCC8	Sub-con within group results to follow on completion

Signed for and on behalf of  
TÜV Rheinland UK LTD

  
George Mehmet  
2021.03.05  
13:49:48 Z

**George Mehmet**  
Laboratory Technician



8400

*Test result is drawn according to the kind and extent of tests performed.  
 Without permission of the test centre this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products. This test report represents the test parameters as requested by the customer based on submitted samples only.*



<b>Test Report</b>	No. 28511321	Date: 5 <sup>th</sup> March 2021	Page 2 of 4
--------------------	--------------	----------------------------------	-------------

**Results:**

<b>Stability To Washing</b> (BS EN ISO 3759: 2011 / BS EN ISO 5077: 2008 / BS EN ISO 6330: 2012) Washing program No. 4M; Using horizontal axis, front-loading type machine: Machine wash at 40°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	-0.3
Weft	-1.2
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	4-5
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	4-5	4-5
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		

<b>Test Report</b>	No. 28511321	Date: 5 <sup>th</sup> March 2021	Page 3 of 4
--------------------	--------------	----------------------------------	-------------

<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	4-5

<b>Seam Slippage</b> (BS EN ISO 13936-2:2004)	
<b>Sample</b>	<b>Result</b>
Warp	2.0mm
Weft	1.8mm

<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	

<b>Test Report</b>	<b>No. 28511321</b>	<b>Date: 5<sup>th</sup> March 2021</b>	<b>Page 4 of 4</b>
--------------------	---------------------	--	--------------------

<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, three thread breakdown	70,000	70,000	70,000
Overall result	70,000		
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-