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

Sample Description	:	Atlantic Col: 60095
Customer	:	Gabriel
Colour	:	60095
Product type	:	Upholstery fabric
Fiber content	:	-

Test Performed * * : Selected test(s) as requested by applicant * * *

Sample Receiving Date : 24th November 2022

Testing Period : 24th November 2022 – 14th December 2022

Test Result(s) : For further details, please refer to the following page(s).

Conclusion:

Test Property	Results
Abrasion	-
Pilling	-
Colour Fastness to Washing	-
Colour Fastness to Dry Clean	-
Colour Fastness to Water	-
Colour Fastness to Water Spotting	-
Colour Fastness to Rubbing (Organic Solvents)	-

Signed for and on behalf of
TÜV Rheinland UK LTD

 Digitally signed
by Dathan Stone
Date: 2022.12.14
13:28:30 Z

Dathan Stone
Senior Laboratory Technician



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

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Results:

Abrasion Resistance (BS EN ISO 12947-2:2016/AC:2006 according to BS EN 14465); Martindale Wear & Abrasion Tester; 12 kPa Pressure)			
Result			
	Specimen 1	Specimen 2	Specimen 3
End point reached, three thread breakdown	155,000	155,000	155,000
Overall endpoint	155,000		
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			

Pilling Resistance (BS EN ISO 12945-2:2020; Martindale Abrasion & Pilling Tester; Total Load Applied 415g, tested against wool abradent fabric) No cleansing required	
	Average Result
After 2000 Rubs Rating	5 Fuzzing 5 Pilling 5 Matting
After 5000 Rubs Rating	5 Fuzzing 5 Pilling 5 Matting
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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Colour Fastness To Washing (BS EN ISO 105-C06: 2010) Washing Condition: A2S, 40°C With ECE(B) + Sodium Perborate, 10 Steel Balls.	
Sample	Result
Colour Change	4-5
Self-Staining	4-5
Colour Staining	Result
Acetate	4-5
Cotton	4-5
Polyamide	4-5
Polyester	4-5
Acrylic	4-5
Wool	4-5
Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good	

Colour Fastness To Dry cleaning (BS EN ISO 105-D01: 2010)	
Sample	Result
Colour Change	4-5
Self-Staining	4-5
Colour Staining	Result
Acetate	4-5
Cotton	4-5
Polyamide	4-5
Polyester	4-5
Acrylic	4-5
Wool	4-5
Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good	

Colour Fastness To Water (BS EN ISO 105-E01: 2013) test specimen in vertical position	
Sample	Result
Colour Change	4-5
Self-Staining	4-5
Colour Staining	Result
Acetate	4-5
Cotton	4-5
Polyamide	4-5
Polyester	4-5
Acrylic	4-5
Wool	4-5
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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Colour Fastness To Water Spotting (BS EN ISO105-E16:2007)		
Sample	Result	
	Shade change Centre	Grade 5
	Shade change Periphery	Grade 5

Colour Fastness To Rubbing – Organic Solvents (BS EN ISO105-D02:2016)		
Sample	Result	
	Warp	Weft
Change in shade	5	5
Staining	4-5	4-5
Solvent used: Perchloroethylene		

-End of Test Report-