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

Sample Description	:	Cubic
Customer	:	Gabriel
Colour	:	61078
Product type	:	Upholstery fabric
Fiber content	:	-

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

Sample Receiving Date : 3rd January 2023

Testing Period : 3rd January 2023 – 3rd February 2023

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

Conclusion:

Test Property	Results
Abrasion	-
Pilling	-
Elasticity of Fabrics	-
Tensile	-
Tear	-
Colour fastness to Dry Clean	-

Signed for and on behalf of
TÜV Rheinland UK LTD

Dathan Stone
Senior Laboratory Technician



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*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.*



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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, NO breakdown (hole formation)	110,000	110,000	110,000
Stepwise	10,000 , 20,000 , 30,000 , 40,000 , 50,000		
Colour Change At 3000 (rubs)	4-5	4-5	4-5
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 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

Tear Strength (BS EN ISO 13937-3:2000)	
Direction	Mean Maximum Force
Warp	81.5 N
Weft	115.4 N

Tensile Strength (BS EN ISO 13934-1:2013)	
	Result
Warp	1059.5 N
Weft	782.0 N

Elasticity of fabrics (BS EN ISO 14704-1) Strip sample					
Sample	Result				
	Elongation at 27.5N (%)	Un-recovered Elongation at 1 mins (%)	Un-recovered Elongation at 30 mins (%)	Recovered Elongation at 1 mins (%)	Recovered Elongation at 30 mins (%)
Warp	6.72	0.0	0.0	100.00	100.00
Weft	8.13	0.0	0.0	100.00	100.00

-End of Test Report-