

Softlines

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


Sample Description	:	Go Uni
Customer	:	Gabriel
Colour	:	66135
Product type	:	Upholstery fabric
Fiber content	:	-

Test Performed * : Selected test(s) as requested by applicant *
 Sample Receiving Date : 11th January 2021
 Testing Period : 11th January 2021 – 5th 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
12:55:55 Z

George Mehmet
Laboratory Technician



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

Stability To Washing (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.)	
Direction	%Change
Warp	-1.5
Weft	-3.0
Appearance After Dry Cleaning	No changes observed

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	5
Self-Staining	-
Colour Staining	Result
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	

Colour Fastness To Perspiration (BS EN ISO 105-E04: 2013)		
Sample	Result	
	Acid	Alkaline
Colour Change	5	5
Self-Staining	-	-
Colour Staining	Result	Result
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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Colour Fastness To Rubbing (BS EN ISO105-X12:2016); Size of rubbing finger: 16mm diameter			
Staining		Colour Change	
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

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

Seam Slippage (BS EN ISO 13936-2:2004)	
Sample	Result
Warp	1.0mm
Weft	1.0mm

Pilling Resistance (BS EN ISO 12945-2:2000; Martindale Abrasion & Pilling Tester; Total Load Applied 415g, tested against wool abradent fabric) No cleansing required	
Sample	Average Result
After 2000 Rubs Rating	5
After 5000 Rubs Rating	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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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 three thread breakdown	100,000	100,000	100,000
Overall result	100,000		
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-