

Test Report	No. 28511395	Date: 18th February 2021	Page 1 of 5
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The following sample(s) was/were submitted and identified on behalf of the client as:


Sample Description	:	Focus Article No: 2536 Colour: 61040
Customer	:	Gabriel
Colour	:	61040
Product type	:	Upholstery fabric
Fiber content	:	100% Wool

Test Performed * : Selected test(s) as requested by applicant *
 Sample Receiving Date : 10th February 2021
 Testing Period : 10th February 2021 – 18th February 2021
 Test Result(s) : For further details, please refer to the following page(s).

Conclusion:

Test Property	Results	Test Property	Results
Dimensional Stability to Dry Clean	-	Tensile	-
Colour fastness to Dry Clean	-	Tear	-
Colour fastness to Perspiration	-	Seam Slippage	-
Colour fastness to Water	-	Colour fastness to Rubbing (Organic Solvents)	Sub-con within group results to follow on completion
Colour Fastness to Water Spotting	Sub-Con to Third Party, results to follow on completion.	Snagging	-
Colour Fastness to Rubbing (Foam Detergent)	-	Stretch & Recovery	-

Signed for and on behalf of
TÜV Rheinland UK LTD

 George Mehmet
2021.04.08
10:21:22 +01'00'

George Mehmet
Senior Laboratory Technician



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*Test result is drawn according to the kind and extent of tests performed.
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Test Report	No. 28511395	Date: 18 th February 2021	Page 2 of 5
--------------------	--------------	--------------------------------------	-------------

Results:

Dimensional Change After Commercial Dry Cleaning (Commercial dry clean cycle)	
Direction	%Change
Warp	0.0
Weft	0.0
Appearance After Dry Cleaning	No appearance change

Colour Fastness To Dry cleaning (BS EN ISO 105-D01: 2010)	
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



Test Report	No. 28511395	Date: 18 th February 2021	Page 3 of 5
--------------------	--------------	--------------------------------------	-------------

Colour Fastness To Water (BS EN ISO 105-E01: 2013) test specimen in vertical position	
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 Water Spotting* (BS EN ISO 105-E07: 2010)	
After 2 Minutes	Dry
Grade: 5	Grade: 5

Tests indicated* are non-UKAS accredited

Colour Fastness To Rubbing (Foam Detergent) (BS EN ISO105-X12:2016); Size of rubbing finger: 16mm diameter				
Sample	Result			
	Warp		Weft	
	Dry: -		Dry: -	
Wet: 5	% Soak: 100%	Wet: 5	% Soak: 100%	

Atmospheric Conditions:

Conditioning time of sample and rubbing cloth:

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



Test Report	No. 28511395	Date: 18 th February 2021	Page 4 of 5
--------------------	--------------	--------------------------------------	-------------

Tensile Strength (BS EN ISO 13934-1:2013)	
Sample	Result
Warp	633.12(N)
Weft	495.61(N)

Tearing Strength (BS EN ISO 13937-3:2000; Single Tear)	
Sample	Result
Warp	31.40(N)
Weft	30.40(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 (%)
Warp	4.554	0.0	0.0	100.00
Weft	-	0.0	0.0	100.00

Snagging Resistance (Rotating Chamber Method) (BS 8479:2008) 2000 Revolutions		
Measuring position	Grade	Defect type
Length	3	F
Width	3	
Total number of snags	No snags.	

Remark :
Grading
5 = No snags or other surface defects
4 = Snags or other surface defects in isolated areas
3 = Snags or other surface defects partially covering the surface
2 = Snags or other surface defects covering a large proportion of the surface
1 = Snags or other surface defects covering the entire surface

Classification system for surface defects



Test Report	No. 28511395	Date: 18th February 2021	Page 5 of 5
--------------------	---------------------	--	--------------------

A = Snagging
B = Protrusions
C = Indentations
D = Shiners, pulled threads or other distortions of the fabric structure, occurring in close proximity to snag loops and/or not associated with any snag loop
E = Visible defects due to colour contrasts
F = Filamentation
G = Any other defects specific to the fabric type and which detract from the original surface appearance
X = No visible surface defects

-End of Test Report-