

Softlines

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


Sample Description	:	Tale Style No: 2527
Customer	:	Gabriel
Colour	:	67090 Green Turquoise
Product type	:	Upholstery fabric
Fiber content	:	PET

Test Performed * : Selected test(s) as requested by applicant *
 Sample Receiving Date : 15th December 2021
 Testing Period : 15th December 2021 – 13th January 2022
 Test Result(s) : For further details, please refer to the following page(s).

Conclusion:

Test Property	Remarks	Test Property	Remarks
Colour fastness to Perspiration	-	Tear Strength	-
Colour Fastness Water	-	Pilling Resistance	-
Colour Fastness to Dry Clean	-	Abrasion Resistance	-
Colour Fastness to Rubbing (Foam Detergent)	Outside of UKAS	Dimensional Stability to Washing	-
Colour Fastness to Rubbing Wet/Dry	-	Snagging Resistance	-
Colour fastness to Water Spotting	Sub-con to third party, results to follow on completion	Colour Fastness to Rubbing (Organic Solvents)	Sub-con within group results to follow on completion
Colour Fastness to Lights	Sub-con within group results to follow on completion		
Seam Slippage	-		
Tensile Strength	-		
Elasticity of Fabrics	-		

Signed for and on behalf of
TÜV Rheinland UK LTD


Dathan Stone
2022.01.13
13:00:43 Z

Dathan Stone
Senior Laboratory Technician



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

Colour Fastness To Perspiration (BS EN ISO 105-E04: 2013)		
Sample	Result	
	Acid	Alkaline
Colour Change	5	5
Self-Staining	5	5
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

Colour Fastness To Water (BS EN ISO 105-E01: 2013) test specimen in vertical position	
Sample	Result
Colour Change	5
Self-Staining	5
Colour Staining	Result
Acetate	5
Cotton	5
Polyamide	5
Polyester	5
Acrylic	5
Wool	5

Colour Fastness To Dry cleaning (BS EN ISO 105-D01: 2010)	
Sample	Result
Colour Change	5
Self-Staining	5
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



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Colour Fastness To Rubbing- Foam Detergent Based on (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

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

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

Tensile Strength (BS EN ISO 13934-1:2013)	
Sample	Result
Warp	1820.8
Weft	1661.4

Elasticity of fabrics (BS EN ISO 14704-1):2005 Strip Method (withdrawn)			
Sample	Result		
	Elongation at 27.5N (%)	Recovered Elongation at 1 Mins (%)	Recovered Elongation at 30 Mins (%)
Warp	5.3	100.00	100.00
Weft	3.7	100.00	100.00

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Tearing Strength (BS EN ISO 13937-1:2000; Elmendorf Tear)	
Sample	Result
Warp	>64N
Weft	>64N

Pilling Resistance (BS EN ISO 12945-2:2020); Martindale Abrasion & Pilling Tester; Total Load Applied 415g, tested against wool abradent fabric) No cleansing required	
Sample	Average Result
After 2000 Rubs Rating	5 – Fuzzing 5 – Pilling 5 - Matting
After 5000 Rubs Rating	5 – Fuzzing 5 – Pilling 5 - Matting

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	100,000	100,000	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			

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 (100% Polyester) ballast+ specimen) and 'ECE(A)' detergent+ Sodium Perborate+ TAED, flat Dry.)	
Direction	Dimensional Change (%)
Warp	-0.1
Weft	0.0
Remark: (+) Means Extension (-) Means Shrinkage	

-End of Test Report-



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Snagging Resistance (Rotating Chamber Method) (BS 8479:2008) 2000 Revolutions		
Measuring position	Grade	Defect type
Length	5	X
Width	5	
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 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