TÜVRheinland®
Precisely Right.

Gabriel

Softlines

Test Report	No. 28513434d	Date: 9th May 2023	Page 1 of 6

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

Sample Description	:	Beyond Loop
Customer	:	**Gabriel**
Address	:	**Hjulmagervej 55, DK, 9000 Aalborg**
Colour	:	Col.66086
Product type	:	Upholstery fabric
Fiber content	:	-

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

Sample Receiving Date : 14th March 2023
Testing Period : 14th March 2023 – 21st April 2023
Test Result(s) : For further details, please refer to the following page(s).
This 'd' report superseeds report 28513434 as abrasion test results have been removed.

Conclusion:

Test Property	Results	Test Property	Results
Pilling	-	Elasticity of Fabrics	-
Colour Fastness to Washing	-	Snagging	-
Colour fastness to Dry Clean	-	Tear	-
Colour fastness to Perspiration	-	Seam Slippage	-
		Colour Fastness to Rubbing (Foam Detergent)	-
Colour fastness to Water	-	Colour fastness to Rubbing (Organic Solvents)	-
Light	-	Colour Fastness to Rubbing (dry/wet)	-
Colour Fastness to Water Spotting	-	Tensile	-

Signed for and on behalf of
TÜV Rheinland UK LTD

Digitally signed by Dathan Stone
Date: 2023.05.09 09:18:22 +01'00'

Dathan Stone
Laboratory Team Leader

UKAS TESTING
8400

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.

Results:

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	4-5 Fuzzing 4-5 Pilling 5 Matting
After 5000 Rubs Rating	4-5 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

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	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

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

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

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 Light
(BS EN ISO 105-B02, Method 2)

Apparatus: Xenon-arc lamp	Result
Exposure	7-8

Colour Fastness To Rubbing
(BS EN ISO105-X12:2016); Size of rubbing finger: 16mm diameter

Sample	Result			
	Warp		Weft	
	Dry: 5		Dry: 5	
	Wet: 5	% Soak: 100%	Wet: 5	% Soak: 100%

Colour Fastness To Rubbing (Foam Detergent)
Size of rubbing finger: 16mm diameter

Sample	Result			
	Warp		Weft	
	Dry: -		Dry: -	
	Wet: 5	% Soak: 100%	Wet: 5	% Soak: 100%

Colour Fastness To Rubbing – Organic Solvents
(BS EN ISO105-D02:2016)

Sample	Result	
	Length	Width
Change in shade	4-5	4-5
Staining	4-5	4-5

Solvent used: Perchloroethylene

Seam Slippage
(BS EN ISO 13936-2:2004)

Sample	Result
Warp	2.0 mm
Weft	1.6 mm

Tear Strength
(BS EN ISO 13937-3:2000)

Direction	Mean Maximum Force
Warp	62.9 N

Weft	123.8 N

Tensile Strength
(BS EN ISO 13934-1:2013)

	Result
Warp	1048.0 N
Weft	1057.9 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	9.6	0.0	0.0	100.00	100.00
Weft	11.2	0.0	0.0	100.00	100.00

Colour Fastness To Water Spotting
(BS EN ISO105-E16:2007)

Sample	Result	
	Shade change Centre	4-5
	Shade change Periphery	4-5

Snagging Resistance (Rotating Chamber Method)
(BS 8479:2008)
2000 Revolutions

Measuring position	Grade	Defect type
Length	4-5	A
Width	4-5	
Total number of snags	≤5	

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-