

Applicant : Gabriel A/S China Office
Rm 703, South Tower Soho Shangdu, No. 8 Dongdaqiao Road,
Chaoyang District, Beijing, 100020
Date : May 12, 2023
Attn : Anne Dong

Sample Description As Declared :

No. Of Sample : Seventeen
Fibre Content : -
Material : Woven Fabric
Finishing : -
End Uses : Seating
Colour : (A) 63117 (B) 61230 (C) 60147 (D) 60094 (E) 60025 (F) 60112 (G) 60900
(H) 66225 (I) 61141 (J) 63118 (K) 66226 (L) 60215 (M) 61072 (N) 60111
(O) 60408 (P) 60999 (Q) 68246
Style No. : Vienna
Order No./PO No. : -
Buyer's Name : Gabriel
Agent's Name : -
Manufacturer's Name : -

Date Received/Date Test Started : Apr 25, 2023

Tests Conducted:

As Requested By The Applicant, For Details Refer To Attached Page(S)

Authorized By :
For Intertek Testing Services
(Tianjin) Ltd.



Patrick Gong
General Manager

Tests Conducted:

1. Colour Fastness To Rubbing (ISO 105 X12-2016, Using The 16mm Diameter Rubbing Finger) :

Sample (A)

Staining

Dry

Wet

Warp

4-5

4-5

Weft

4-5

4-5

Change in Colour

Dry

Wet

Warp

4-5

4-5

Weft

4-5

4-5

Sample (B)

Staining

Dry

Wet

Warp

4-5

4-5

Weft

4-5

4-5

Change in Colour

Dry

Wet

Warp

4-5

4-5

Weft

4-5

4-5

Sample (C)

Staining

Dry

Wet

Warp

4-5

4-5

Weft

4-5

4-5

Change in Colour

Dry

Wet

Warp

4-5

4-5

Weft

4-5

4-5

Sample (D)

Staining

Dry

Wet

Warp

4-5

4-5

Weft

4-5

4-5

Change in Colour

Dry

Wet

Warp

4-5

4-5

Weft

4-5

4-5

Tests Conducted:

Colour Fastness To Rubbing(Cont'd)

Sample (E)		
<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
<u>Change in Colour</u>		
Dry	4-5	4-5
Wet	4-5	4-5
Sample (F)		
<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
<u>Change in Colour</u>		
Dry	4-5	4-5
Wet	4-5	4-5
Sample (G)		
<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
<u>Change in Colour</u>		
Dry	4-5	4-5
Wet	4-5	4-5
Sample (H)		
<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
<u>Change in Colour</u>		
Dry	4-5	4-5
Wet	4-5	4-5

Tests Conducted:

Colour Fastness To Rubbing(Cont'd)

Sample (I)		
<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
<u>Change in Colour</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
Sample (J)		
<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
<u>Change in Colour</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
Sample (K)		
<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
<u>Change in Colour</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
Sample (L)		
<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
<u>Change in Colour</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5

Tests Conducted:

Colour Fastness To Rubbing(Cont'd)

Sample (M)

<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5

Change in Colour

	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5

Sample (N)

<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5

Change in Colour

	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5

Sample (O)

<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5

Change in Colour

	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5

Sample (P)

<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5

Change in Colour

	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5

Tests Conducted:

Colour Fastness To Rubbing(Cont'd)

Sample (Q)		
<u>Staining</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5
<u>Change in Colour</u>	Warp	Weft
Dry	4-5	4-5
Wet	4-5	4-5

2. Colour Fastness To Light (ISO 105 B02-2014, Method 2, Xenon-Arc Lamp) :

Grade	(A) 7	(B) 7	(C) 6-7	(D) 7
Grade	(E) 5-6	(F) 7	(G) 7	(H) 7
Grade	(I) 7	(J) 7	(K) 6	(L) 6-7
Grade	(M) 6	(N) 6	(O) 5-6	(P) 6
Grade	(Q) 6			

Tests Conducted :

3. Abrasion Resistance(BS EN ISO 12947-2:2016/AC:2006 according to BS EN 14465); Martindale Wear & Abrasion Tester; 12 kPa Pressure)

	(A)	(B)	(C)
<u>Resistance: Face Side</u>			
Specimen 1	Over 100000 Rubs	Over 100000 Rubs	Over 100000 Rubs
Specimen 2	Over 100000 Rubs	Over 100000 Rubs	Over 100000 Rubs
Specimen 3	Over 100000 Rubs	Over 100000 Rubs	Over 100000 Rubs
Quoted Result	Over 100000 Rubs	Over 100000 Rubs	Over 100000 Rubs
Change In Color After 6000 Rubs:	4	4	4
Type Of Fabric:	Woven Fabric (Without Pile)	Woven Fabric (Without Pile)	Woven Fabric (Without Pile)
Type Of End-Point:	Three Threads Completely Broken	Three Threads Completely Broken	Three Threads Completely Broken

Tests Conducted:

4. Fabric Propensity To Surface Pilling, Fuzzing Or Matting As Received (ISO 12945-2:2020, Martindale Abrasion & Pilling Tester, 415g Total Loading):

Sample (A)	<u>Mean Grade</u>		
	<u>Pilling</u>	<u>Fuzzing</u>	<u>Matting</u>
After 2,000 Revolutions	4-5	4-5	4-5
After 5,000 Revolutions	4	4	4-5

Sample (E)	<u>Mean Grade</u>		
	<u>Pilling</u>	<u>Fuzzing</u>	<u>Matting</u>
After 2,000 Revolutions	4-5	4-5	4-5
After 5,000 Revolutions	4	4	4-5

Sample (F)	<u>Mean Grade</u>		
	<u>Pilling</u>	<u>Fuzzing</u>	<u>Matting</u>
After 2,000 Revolutions	4-5	4-5	4-5
After 5,000 Revolutions	4	4	4-5

Sample (G)	<u>Mean Grade</u>		
	<u>Pilling</u>	<u>Fuzzing</u>	<u>Matting</u>
After 2,000 Revolutions	4	4	4-5
After 5,000 Revolutions	4	4	4-5

Remark : The Visual Assessment Of Pilling, Fuzzing And Matting Was Carried Out Respectively According To ISO 12945-4:2020.

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