

Applicant : Gabriel A/S China Office  
Unit 06-08, 6F, Fortune Financial Center (FFC), No.5  
Dongsanhuan Zhong Road, Chaoyang District, 100020 Beijing,  
China  
Attn : Anne Dong

Date : Sep 18, 2024

Sample Description As Declared :

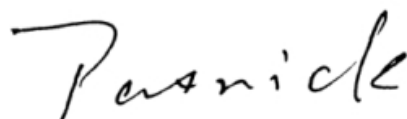
No. Of Sample : One  
Fibre Content : -  
Material : Woven Fabric  
Finishing : -  
End Uses : -  
Colour : 66018  
Style No. : Miles  
Order No./PO No. : 07789  
Buyer's Name : Gabriel  
Agent's Name : -  
Manufacturer's Name : -

Date Received/Date Test Started : Aug 26, 2024

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) :

<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 4-5

- 3 Seam Resistance As Received (ISO 13936-2:2004, Instron, CRE) :

The Mean Seam Opening Under 180 N

// To Warp 5 mm.  
// To Weft 5 mm.

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

Resistance: Face Side

Specimen 1	Over 100000 Rubs
Specimen 2	Over 100000 Rubs
Specimen 3	Over 100000 Rubs
Quoted Result	Over 100000 Rubs

Change In Color After 6000 Rubs:

4

Type Of Fabric: Woven Fabric (Without Pile)  
Type Of End-Point: Three Threads Completely Broken

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Tests Conducted :

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

	<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	4-5	4-5	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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Tests Conducted :

6 Flammability Test (California Technical Bulletin 117-2013 Section 1: Cover Fabric Test) :

Test Method

The Apparatus And Method Of Testing Were Those Described In California Technical Bulletin 117-2013, Section 1, For Measuring The Tendency Of Upholstery Cover Fabrics To Smolder And Contribute To Fire Propagation, When Subjected To A Smoldering Ignition Source.

Pass/Fail Criteria

A Cover Fabric Material Is Considered Pass Or Fail Based On Following Criteria:

1. A Single Mock-Up Test Specimen Fails To Meet The Requirements Of This Test Procedure If Any Of The Following Criteria Occurs:
  - a) The Mock-Up Test Specimen Continues To Smolder After The 45 Minutes Test Duration.
  - b) A Vertical Char Length (Measured As Specified In Step 11.9 Of ASTM E1353-08a <sup>ε1</sup>) Of More Than 1.8 inches (45 mm) Develops On The Cover Fabric.
  - c) The Mock-Up Test Specimen Transitions To Open Flaming.
2. The Cover Fabric Passes The Test If Three Initial Mock-Up Specimens Pass The Test, i.e., The Cigarettes Burn Their Full Length And The Mock-Ups Are No Longer Smoldering.
3. If More Than One Initial Specimen Fails, The Cover Fabric Fails The Test.
4. If Any One Of The Three Initial Specimens Fails, Repeat The Test On Additional Three Specimens.
5. If All Three Additional Specimens Pass The Test, The Cover Fabric Passes The Test. If Any One Of The Additional Three Specimens Fails, The Cover Fabric Fails The Test.

Test Result

Initial Test				
	Vertical Char Length (Inches)	Mock-Up Specimen Continues To Smolder After 45 Minutes	Mock-Up Test Specimen Transitions To Open Flaming	Test Result
Specimen 1	0.9	No	No	Pass
Specimen 2	0.8	No	No	Pass
Specimen 3	0.9	No	No	Pass

Conditioning : At Least 24 Hours In An Atmosphere Having A Temperature Of 21±3°C (70±5°F) And Less Than 55% Relative Humidity

Remark : No = Was Not Observed

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