
TEST REPORT

10th September 2019

1. CONTACT: Stephen Catapano
Product Development
Email: stephen@blakemedical.ca.
Tel: 905 515 7362

2. MATERIALS:
 - a) Filling Material –PU Foam/ Gel Composite (Platinum Filling material)
 - b) Outer Cover Fabric – Triptex material (Black Fabric side facing out)
 - c) Inner Cover Fabric – FRx Fire Barrier (White)
 - d) Cushion base: Grip-X RR Fabric

3. TEST METHOD: EN 1021-1 Assessment of the Ignitability of Upholstered Furniture – Part 1: Ignition source smouldering cigarette

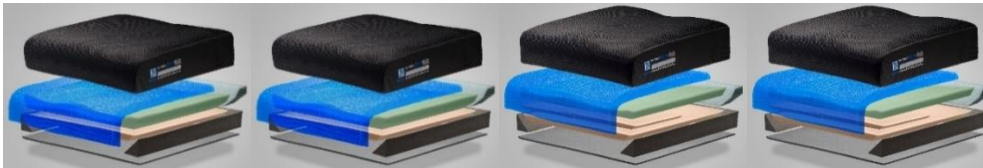
4. EQUIPMENT: Flammability Test Fixture, Fume Hood, Cigarettes

5. PROCEDURE: Specimens were conditioned for 24 hours minimum at 23+/-2° C and 50+/-5% Relative Humidity prior to testing.
The PU Foam and Gel composite filling material was wrapped with the Triptex outer cover material with the FRx fire barrier material on the inside base Grip-X RR material on the bottom and placed in the test fixture. The cigarettes were placed along the junction of the vertical and horizontal parts of the assembly. A water soaking procedure was not carried out on the cover by the P3T lab.

6. RESULTS: **Customer ID: Geo-Matrix™ Wheelchair Cushion**

View of Part Assemblies

Hybrid / Hybrid Low Profile / Hybrid Deep / Hybrid Deep Low Profile:



Test results: **Non-ignition**
Date tested: 10th September 2019

EN 1021-1: 2014 (E)	Cigarette		Comments
	1	2	
Smouldering criteria	*	*	
3.1.a - Unsafe escalating combustion	No	No	
3.1.b - Test assembly consumed	No	No	
3.1.c - Smoulders to extremities	No	No	
3.1.c - Smoulders through thickness	No	No	
3.1.d - Smoulders more than 1 hour	No	No	
3.1.e - In the final examination, presence of active smouldering	No	No	
Flaming Criteria			
3.2 - Occurance of flames	No	No	
* Enter "Yes" if criteria exceeded or "No" if criteria not exceeded			

Observations: Both cigarettes burnt the entire lengths and went out. Cigarettes did not smoulder into the PU foam.

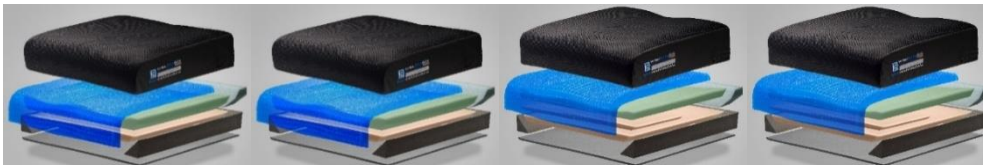
Note: The above test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

7. TEST METHOD: EN 1021-2 Assessment of the Ignitability of Upholstered Furniture –: Ignition source match flame equivalent
8. EQUIPMENT: Flammability Test Fixture, Butane burner, Fume Hood
9. PROCEDURE: Specimens were conditioned for 24 hours minimum at 23+/-2° C and 50+/-5% Relative Humidity prior to testing. The PU Foam and Gel composite filling material was wrapped with the Triptex outer cover material with the FRx fire barrier material on the Inside base Grip-X RR material on the bottom and placed in the test fixture. The cigarettes were placed along the junction of the vertical and horizontal parts of the assembly. A water soaking procedure was not carried out on the cover by the P3T lab.

10. RESULTS: **Customer ID: Geo-Matrix™ Silverback Wheelchair Back Cushion**

View of Part Assemblies

Hybrid / Hybrid Low Profile / Hybrid Deep / Hybrid Deep Low Profile:



Test results: **Non-Ignition**
 Date tested: 10th September 2019

EN 1021-2: 2014 (E)	Match flame equivalent			Comments
	1	2	3	
Smouldering criteria	*	*	*	
3.1.a - Unsafe escalating combustion	No	No	No	
3.1.b - Test assembly consumed	No	No	No	
3.1.c - Smoulders to extremities	No	No	No	
3.1.c - Smoulders through thickness	No	No	No	
3.1.d - Smoulders more than 1 hour	No	No	No	
3.1.e - In the final examination, presence of active smouldering	No	No	No	
Flaming Criteria				
3.2.a - Unsafe escalating combustion	No	No	No	
3.2.b - Test assembly consumed	No	No	No	
3.2.c - Flames to extremities	No	No	No	
3.2.c - Flames through thickness	No	No	No	
3.2.d - Flames longer than 120 seconds	No	No	No	
* Enter "Yes" if criteria exceeded or "No" if criteria not exceeded				

Observations: One flame went out immediately after the 15 secs flame application; One flame continued burning for 25 seconds and the other for 21 seconds before going out.

Note: The above test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Tested By: Marcela Rusan

Approved By: Dennis Payne
 Global Laboratory Manager




APPENDIX A

Inner Filling Material – PU Foam / Gel Composite



Part after 2 cigarettes smouldered



Part after 3 Butane flames applied for 15 seconds



FRx Fire barrier



Triptex material

