

Our Ref: SW/PN/GL

6 July 2015

**Report 256990**

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DATE RECEIVED	:	25 JUNE 2015
QUALITY/REFERENCE	:	US393
FABRIC DESCRIPTION	:	COATED
COLOUR/DESIGN	:	BLACK 5952

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REQUEST:    BSEN1021-1: 2014 (smouldering cigarette)  
                  BSEN1021-2: 2014 (Match flame equivalent)

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COMMENTS: The sample tested meets the flammability performance requirements of  
                  BS EN 1021-1:2014 and BS EN 1021-2:2014

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**HEAD OF FLAMMABILITY**

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**BS EN 1021-1:2014 / BS EN 1021-2:2014 Furniture - Assessment of the ignitability of upholstered furniture –**

**Part I Ignition Source: Smouldering cigarette.**

**Part 2 Ignition Source Match flame equivalent.**

**Conditioning**

Immediately prior to testing the sample of Fabric, Ref: US393 Black 5952 was subjected the water soaking procedure described in Annex D, and then dried at indoor ambient conditions. It was then subjected to 24 hours in specified conditions, having a temperature of  $(23 \pm 2^\circ\text{C})$  and relative humidity of  $(50 \pm 5\%)$ .

**Procedure**

The specimens were mounted over fillings of combustion modified high resilience foam filling of density of approximately  $36 \text{ Kg/m}^3$ .

**Results**

The following 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.

<u>Ignition Source</u>	<u>Ignitability Performance</u>
0	NI (Non-ignition)
0	NI (Non-ignition)
0	NI (Non-ignition)
1	NI (Non-ignition)
1	NI (Non-ignition)
1	NI (Non-ignition)

	Cigarette			Match-equivalent flame		
	1	2	3	1	2	3
<u>Smouldering Criteria (Yes/No)</u>						
Unsafe escalating combustion	No	No	No	No	No	No
Test assembly consumed	No	No	No	No	No	No
Smoulders to extremities	No	No	No	No	No	No
Smoulders through thickness	No	No	No	No	No	No
Smoulders more than 1 hour	No	No	No	No	No	No
More than 100mm from source	No	No	No	No	No	No
<u>Flaming Criteria (Yes/No)</u>						
Unsafe escalating combustion	No	No	No	No	No	No
Test assembly consumed	No	No	No	No	No	No
Flames to extremities	No	No	No	No	No	No
Flames through thickness	No	No	No	No	No	No

### Comments

The sample tested meets the flammability performance requirements of BS EN 1021-1:2014 and BS EN 1021-2:2014