

Our Ref: LAS/RM

09 August 2024

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Contact: Matthew Mackenzie

DATE RECEIVED	:	05 AUGUST 2024
DATE TESTED	:	09 AUGUST 2024
QUALITY REFERENCE	:	FR-VELVET
REPUTED FIBRE CONTENT	:	GROUND 100 PES PILE 100 PES FR
COLOUR / DESIGN	:	11009
FABRIC DESCRIPTION	:	WOVEN
END USE	:	UPHOLSTERY
ORDER NUMBER	:	Z + R

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

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



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FLAMMABILITY TECHNOLOGIST



L. SMITH
QUALITY COORDINATOR

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Report 425474/3.1**Page 2 of 3****BS EN 1021-1/2:2014 Furniture - Assessment of the ignitability of upholstered furniture –****Part 1 Ignition Source: Smouldering cigarette.****Part 2 Ignition Source: Match flame equivalent.****Pre-treatment:**

The sample was stated to have not received a chemical FR treatment and was therefore tested in the as received condition.

Conditioning

Following any pre-treatment given and prior to testing, the sample was conditioned for 24 hours in an atmosphere having a temperature of $23 \pm 2^{\circ}\text{C}$ and a relative humidity of $50 \pm 5\%$.

Procedure

The specimens were mounted over fillings of combustion modified high resilience foam with a density of approximately $35\text{-}36 \text{ kg/m}^3$.

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	Not tested
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</u> (Yes/No)						
Unsafe escalating combustion	No	No	/	No	No	No
Test assembly consumed	No	No	/	No	No	No
Smoulders to extremities	No	No	/	No	No	No
Smoulders through thickness	No	No	/	No	No	No
Smoulders more than 1 hour	No	No	/	No	No	No
More than 100mm from source	No	No	/	No	No	No
<u>Flaming Criteria</u> (Yes/No)						
Duration of flames (s)	N/A	N/A	/	0	0	0
Unsafe escalating combustion	No	No	/	No	No	No
Test assembly consumed	No	No	/	No	No	No
Flames to extremities	No	No	/	No	No	No
Flames through thickness	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

Decision rules

The decision rule applicable to statements of conformity relating to the test(s) carried out is simple acceptance based on the measured test results not falling within a range either side of a specified limit that is equal to the uncertainty of measurement for the parameter measured (based on 95% confidence levels). In all other regards, the decision rule is based on simple acceptance predicated upon the conditions of testing falling within the criteria for test set out in the test method with a conformance probability of 95%. The risk of false accept or false reject is therefore not greater than 2.5%.

Uncertainty of measurement: Timings ±0.4s
Dimensions ±0.5mm

