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Monteiro, Ribas-Revestimentos SA Estrada Ext. da Circunvalacaio, 9020

4202-351 Porto

Portugal Contact: Patricia Caetano

DATE RECEIVED : 05 FEBRUARY 2024 DATE TESTED : 09 FEBRUARY 2024

QUALITY REFERENCE : SI 0243/171IG

REPUTED FIBRE CONTENT : 87% PVC, 8% PES, 5% CO

COLOUR / DESIGN : BEIGE
FABRIC DESCRIPTION : COATED
END USE : UPHOLSTERY

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

R. MASKILL FLAMMABILITY TECHNOLOGIST

1. Markell

L. SMITH
QUALITY COORDINATOR

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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 by the client to be inherently flame retardant and therefore was tested in the 'as received' condition.

Conditioning

Immediately prior to testing the was subjected to 24 hours in specified conditions, having a temperature of $(23\pm 2^{\circ}C)$ and relative humidity of $(50\pm 5\%)$.

Procedure

The specimens were mounted over fillings of combustion modified high resilience foam with a density of approximately 24-26 kg/m³.

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.

Ignition Source	Ignitability Performance				
0	NI (Non-ignition)				
0	NI (Non-ignition)				
0	Not tested				
1	NI (Non-ignition)				
1	NI (Non-ignition)				
1	NI (Non-ignition)				

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	Cigarette			Match-equivalent		
				flame		
	1	2	3	1	2	3
Smouldering Criteria (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
Flaming Criteria (Yes/No)						
Duration of flames (s)	N/A	N/A	/	2	2	2
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

