

Confidential Report

Our Ref: 23/59915F/07/22







Client:

Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.

Telephone: +44 (0) 113 259 1999 Email: onestopshop@bttg.co.uk

Website: www.bttg.co.uk

Date: 12 July 2022

Our Ref: 23/59915F/07/22

Your Ref: ---

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Höpke Möbelstoff-Handels GmbH

Simonsgasse 19-21 96489 Niederfullbach Germany

Job Title: Fire Test on One Fabric Sample

Clients Order Ref: 500

Date of Receipt: 1 July 2022

Date Test Started: 8 July 2022

Description of Sample: One sample of fabric, which was referenced by the client as;

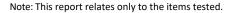
June FR, stated to be 100% Polyester

Work Requested: We were asked to make the following fire test:

IMO FTP Code 2010:Part 8

- subcontracted test, UKAS accredited
- ** subcontracted test, EN ISO/IEC 17025 accredited
- *** not UKAS accredited







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Product Description

Höpke Möbelstoff-Handels GmbH

Company Name	Höpke Textiles	
FABRIC		
Type of Furniture, e.g., Seat, Sofa, Office Chair, etc;.	Yes	
Name and/or Identification of the Product Tested	June FR	
Materials of the Product and its Composite Ratio (i)	100% Polyester FR	
Composition of Weave (ii)	Jacquard & Woven Complex Weave	
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	Warp - 168; Weft - 43	
Yarn Number Count	150DN, 350 DN, 6 NM Chenille	
Thickness (mm)	1.00 MM	
Mass per Unit Area (g/m²)	371 grm/sq mtr	
Colour and Tone (iii)		
Method and Quantity of Fire Retardant Treatment	No	
FILLINGS		
Material (Name of Manufacturer, Type Designation)	N/A	
Type of Filling Material (eg. Foam, Polyester Fibre etc.)	N/A	
Weight per Unit Volume (kg/m³)	N/A	
Method and Quantity of Fire Retardant Treatment	N/A	

- (i) Such as wool, nylon, polyester, etc.
- (ii) Such as plain, weave, twilled.
- (iii) If the product has a pattern, the representative colour shall be described.





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Testing to IMO FTP Code 2010: Part 8

Test for Upholstered Furniture

Conditioning

Immediately prior to testing the samples was placed in indoor ambient conditions for 72 hours and then conditioned in a standard atmosphere of 23±2°C temperature and 50±5% relative humidity for at least 16 hours.

The samples were tested in a room of volume 25m³ and 22°C.

Procedure

The samples was tested in accordance with IMO FTP Code 2010: Part 8 using ignition sources 0 and 1. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard.

The sample was tested over combustion modified polyurethane foam with a density of approximately 35-36kg/m³.

Requirements

No progressive smouldering or flaming within 1 hour of the placement of the cigarette. Ignition Source 0

Ignition Source 1 All progressive smouldering and flaming to cease within 120 sec of removal of the burner tube.

Cigarette Specification (Source 0)

Dimensions (mm) 69mm x 8.0mm

Mass (g) 0.84 Smouldering Rate (mins/secs) 9m 53s





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Höpke Möbelstoff-Handels GmbH

Client:

Results

Cigarette Test - Source 0

Specimen No.	1	2
Extinction Time (smouldering) (min)	19	21
Time of cover split	DNO	DNO
Melting (Yes/No)	Yes	Yes
Dripping (Yes/No)	No	No
Charring (Yes/No)	Yes	Yes
Progressive Smouldering (Yes/No)	No	No
Observations	DNO	DNO
Pass/Fail	PASS	PASS

Result of the Cigarette Test: Pass

Propane Flame Test – Source 1

Specimen No.	1	2
Time of Ignition (s)	5	4
Extinction time of flames after removal of burner (s)	2	2
Time to Cover Split (s)	8	8
Melting (Yes/No)	Yes	Yes
Dripping (Yes/No)	No	No
Charring (Yes/No)	Yes	Yes
Progressive smouldering (Yes/No)	No	No
Observations:		
Pass/Fail	PASS	PASS

Result of the Flame Test: Pass

Acronym

DNP - Did not propagate ES – Escalating smouldering BTE - Burnt to extremities





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EC – Escalating combustion DNS - Material did not split ME - Manually extinguished DNO – Did not observe time of event



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Comment

In our opinion, based on the test carried out on the sample supplied; the results indicate that the sample meets the requirements according to IMO FTP Code 2010:Part 8.

Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

See our decision rules Policy (http://www.bttg.co.uk/decision-rules-policy) for further information.

Uncertainty Budget

Measurements: ±2mm Timings: ±2 seconds.

...... B Bland, Technical Customer Services Officer

Countersigned by:..... P Doherty, Manager

Enquiries concerning this report should be addressed to Customer Services.





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