



Confidential Report

Our Ref: 23/59955B3/07/22





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Email: onestopshop@bttg.co.uk
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Date: 20 July 2022

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Client: Kobefab International B.V.

De Vest 62
5555 XP Valkenswaard
Netherlands

Job Title: Fire Test on One Fabric Sample

Clients Order Ref: --

Date of Receipt: 12 July 2022

Date Test Started: 20 July 2022

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

Project Number: 2226. Kobe Name: Cenia FR. Stated to be 50% Pes-43% Pan-7% CV.

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

Note: This report relates only to the items tested.



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Client: Kobefab International B.V.

Product Description

Company Name	Kobefab International BV
FABRIC	
Type of Furniture, e.g., Seat, Sofa, Office Chair, etc;.	Upholstery for all furniture
Name and/or Identification of the Product Tested	CENIA FR
Materials of the Product and its Composite Ratio (i)	7% Viscose 44% Acrylic 49% Polyester
Composition of Weave (ii)	Jacquard Woven
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	Weft 16 per/cm Warp 20 per/cm
Yarn Number Count	Weft 1: 200 Denier Weft 2: 4 nm
Thickness (mm)	--
Mass per Unit Area (g/m ²)	530 g/m2
Colour and Tone (iii)	Jacquard woven geometric pattern
Method and Quantity of Fire Retardant Treatment	Back coating 160 gr/m2
FILLINGS	
Material (Name of Manufacturer, Type Designation)	--
Type of Filling Material (eg. Foam, Polyester Fibre etc.)	--
Weight per Unit Volume (kg/m ³)	--
Method and Quantity of Fire Retardant Treatment	--

- (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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Client: Kobefab International B.V.

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 $23\pm 2^{\circ}\text{C}$ temperature and $50\pm 5\%$ relative humidity for at least 16 hours.

The samples were tested in a room of volume 25m^3 and 25°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 non-fire retardant polyurethane foam with a density of approximately $20\text{-}22\text{kg/m}^3$.

Requirements

- Ignition Source 0 No progressive smouldering or flaming within 1 hour of the placement of the cigarette.
- 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)	0.85
Smouldering Rate (mins/secs)	10m 06s



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Results

Cigarette Test – Source 0

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

Result of the Cigarette Test: Pass

Propane Flame Test – Source 1

Specimen No.	1	2
Time of Ignition (s)	6	6
Extinction time of flames after removal of burner (s)	1	6
Time to Cover Split (s)	11	10
Melting (Yes/No)	No	No
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

EC – Escalating combustion
DNS – Material did not split

ME – Manually extinguished
DNO – Did not observe time of event





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Comment

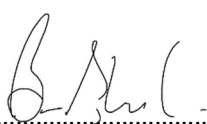
In our opinion, based on the test carried out on the sample supplied; the results indicate that the sample meets the requirements according to IMO FTP Code 2010:Part 8.

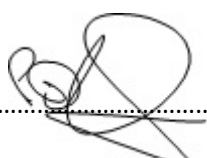
Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

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

Uncertainty Budget

Measurements: $\pm 2\text{mm}$
Timings: ± 2 seconds.

Reported by:  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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