

TEST CERTIFICATE

No. F20386/5

Testing to Part 8 of the 2010 FTP Code Fire Test Procedures
for the ignitability by smokers' materials of upholstered composites for seating

SAMPLE INFORMATION

Client **Hopke Möbelstoff-Handels GmbH, Simonsgasse 19-21, 96489 Niederfullbach, Germany**

Sample type **Fabric**

Details supplied by the client **Harlem FR**

Mass per unit area: 303 g/m² Thickness: 1mm

Colour and tone: Not Given, FR treatment: None, Composition: 100% Polyester FR

Yarn density: Warp 168 inch, Weft 79 inch

Yarn number count: 150dn, 500ATY

Fabric weight **Approximately 303 g/m²**

Dimensions **100cm by 144cm (Full width)**

Date Received **29/9/2020**

TESTING

Following the pre-treatment indicated above, the material was conditioned and tested according to the test procedure specified in Clause 7 of **Part 8 of the 2010 FTP Code Fire Test Procedures for the ignitability by smokers' materials of upholstered composites for seating.**

The cigarettes used for this test meet the requirements shown in Annex 4.2.1 of the code.

The test prescribes methods for assessing the ignitability of material combinations, e.g. covers and fillings used in upholstered seating, when subjected to either a smouldering cigarette or a lighted match as might be applied accidentally in the use of upholstered seats. It does not cover ignition caused by deliberate acts of vandalism.

COMBINATION OF MATERIALS

The sample was tested over non-fire retardant polyurethane foam with a density of approximately 20 - 22 kg/m³ as specified in Appendix A3 of the above Resolution

RESULTS

Both cigarette applications showed no flaming or smouldering one hour after placement; both match applications extinguished within 120 seconds from removal of the burner tube. No test showed progressive smouldering on final inspection.

"The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use"

CONCLUSION

The sample received meets the requirements of 'Smouldering Cigarette Test' of Part 8 of the 2010 FTP code Fire Test for Upholstered Furniture

The sample received meets the requirements of 'Propane Flame Test' of Part 8 of the 2010 FTP code Fire Test for Upholstered Furniture

The fabric may be labelled "IMO FTPC Part 8", using non-fire retardant polyurethane foam.



Mr J Firth
Technical Manager
END OF REPORT

TFT

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Smouldering Cigarette Test

Specimen number	1	2
Duration of smouldering (min)	20	20
Damage width (mm)	15	16
Damage length (mm)	68	71
Ignition occurred	No	No
Cover split	Yes	Yes
Melting	Yes	Yes
Dripping	No	No
Charring	Yes	Yes
Progressive smouldering at 60 minutes	No	No
Result	Pass	Pass

Propane Flame Test

Specimen number	1	2
Time to ignition (sec)	5	5
Duration of flaming (sec)	0	0
Duration of smouldering (sec)	0	0
Damage width (mm)	21	18
Damage length (mm)	78	56
Cover split	Yes	Yes
Melting	Yes	Yes
Dripping	No	No
Charring	Yes	Yes
Smouldering at 120 sec.	No	No
Smoke or heat at 15 min.	No	No
Result	Pass	Pass