

Wiratec

WIRA TESTING CENTRE

FIRE TESTING

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Date: 26 October 1999

Our Ref: 27125B/10/99

Your Ref:

Client: Gudbrandsdalens Uldvarefabrik AS
N-2626 Lillehammer
Norway

Job Title: Fire Tests on Fabric

Client's order no:

Date of receipt: 05/10/99

Description of sample(s): One sample of fabric labelled ref. 5515/5516 Modal/ Modal- Point.

Work requested: BS 5852:1990



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Our Ref: 27125B/10/99

Your Ref:

Gudbrandsdalens Uldvarefabrik AS
Lillehammer

Date of Test: 20/10/99

FIRE TESTS ACCORDING TO BS 5852:1990 (1998) (Methods of Test for the Assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources).

Conditioning

Immediately prior to testing the sample was placed in indoor ambient conditions for 72 hours and then conditioned in a standard atmosphere of $20 \pm 5^\circ\text{C}$ temperature and $50 \pm 20\%$ relative humidity for at least 16 hours.

The sample was tested in a room of volume 25m^3 and 21°C .

Procedure

Specimens of fabric were mounted over fillings of combustion modified high resilience foam of density about 35 kg/m^3 .

Tests were made using ignition source 5 in accordance with Section 4 'Methods of test for the ignitability of upholstery composites' and pass classifications were assigned for each ignition source if the performance requirements stated below were met.

Requirements

<u>Ignition Source No.</u>	<u>Maximum duration allowed for progressive smouldering</u>	<u>Maximum duration allowed for flaming</u>
2	15 min after removal of burner tube	120 sec after removal of burner tube
3		
4	60 min after ignition	10 min after ignition of wood crib
5		
6	of wood crib	13 min after ignition of wood crib
7		

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The following test results relate only to the ignitability of the combination of upholstery composites (Section 4 of BS 5852 1990) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

They also only relate to the materials tested. They do not guarantee to represent the performance of production materials.

<u>Ignition Source No.</u>	<u>Ignitability Performance</u>
5	NI
5	NI

NI = Non Ignition

During testing the following was noted:-

	<u>Source 5</u>	
Time of ignition(s)	56	46
Time of Flame Extinction(s)	329	278
Time of Smoke Extinction(s)	511	454
Time of cover split(s)	Did not split	
Damage on seat width (mm)	95	90
Damage on seat length (mm)	80	82
Damage on seat depth (mm)	34	30
Damage on back width (mm)	101	113
Damage on back length (mm)	390	400
Damage on back depth (mm)	33	39
Melting (Yes or No)	No	No
Dripping (Yes or No)	No	No
Charring (Yes or No)	Yes	Yes
Other Phenomena	-	-

This report is incomplete without all the pages specified above.

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Comments

The specimens were tested after a water soaking procedure specified in clauses 4.2 to 4.5 of BS 5651, save that for the second sub clause of clause 4.5 there shall be substituted the following:-

"After 30 minutes, remove the specimen, rinse in water using a liquor ratio of 1:20 for 2 minutes, and then dry the specimen by any method suitable for the fabric type".

An NI designation indicates that the sample met the performance requirements.

The material was sampled in accordance with the BTTG Internal Flammability Procedure F1.

The information contained on page no's 1/4 of this certificate is hereby certified to be a correct statement of the tests and investigations carried out by Wira Testing Centre on the materials referred to.

Signed.....*James Petrow*.....Date...26/10/99

J A Petrow
Senior Technician

Signed.....*D Hird*.....Date...26/10/99

D Hird
Section Leader
Fire Testing

DH
271251099 brep

Enquiries concerning the technical content of this report should be addressed to the Head of the reporting laboratory named above.

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