

TEST CERTIFICATE

DATE SUBMITTED: 09-JUNE-2016
DATE ISSUED: 17-JUNE-2016
REPORT NO: 37273
COMPANY ORDER NUMBER: DB/mw.a/FTL-IFS.KH.21494

CUSTOMER CONTACT NAMES: DONNA BARBER
TEL: 01502 575533
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COMPANY: FLAMENTEK LIMITED
RANNOCH HOUSE
HALL DRIVE
OULTON BROAD
LOWESTOFT
SUFFOLK
NR32 3PU

CUSTOMER SAMPLE DESCRIPTION

FIBRE COMPOSITION: 92% New Wool Worsted, 8% Nylon
QUALITY/BATCH REF: Fiord
SAMPLE COLOUR: Black
SAMPLE DESCRIPTION/QUALITY: Woven Fabric, Treated with a **Duraflam®** Flame Retardant formulation by Fabric Flare Solutions Limited
END USE: Upholstery
FABRIC CUSTOMER: Kvadrat Holding
JOB REFERENCE: 21494

FIRE TEST REQUESTED:

(Confidential Report)

BS 5852: 2006 Methods of test for (Assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources) in accordance with Clause 11 using ignition source 5 Crib test


LAUNDERING PROCEDURE:

The sample was subjected to the water soaking procedure @ $40 \pm 1^{\circ}\text{C}$ as stated in BS 5852 2006 Annex E.

CONDITIONING PRIOR TO TESTING:

The sample was conditioned before the test for @ least 72 h in indoor ambient conditions and then immediately before the test for @ least 24 h at $23 \pm 2^{\circ}\text{C}$ and $50 \pm 5\%$ r h

Authorised signatures:

Signed:  v

Zeb Alam
Technical Manager

Please note: this test results issued on this certificate refer only to the item tested and therefore doesn't relate to the lot or batch of the product / sample. This test certificate shall not be duplicated.

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UPHOLSTERY FILLING SOURCE 5:
 GRADE: CMHR35
 APPROX DENSITY: 35 kg per m³
 APPROX HARDNESS RANGE: 130 N

SIZE OF TEST RIG:
 BACK JUNCTION: 450+/-2 mm x 450+/-2 mm
 SEAT JUNCTION: 450+/-2 mm x 300+/-2 mm

TESTING ENCLOSURE AND ATMOSPHERE:
 The sample was tested in an atmosphere with a temperature of 10⁰ C to 30⁰ C and a relative humidity of 15% to 80%. The sample was tested in an enclosure with a volume greater than 20m³

PROCEDURE:
 The sample was mounted over the foam as described above, using the test rig as specified in BS 5852: 2006 Figure 4 & 5

REQUIREMENTS:
 Ignition Source: Crib 5
 Progressive Smouldering (maximum duration): 60 minutes after ignition of crib
 Flaming (maximum Duration): 10 minutes after ignition of crib

Date of test: 17-June-2016
 Fire test carried out by: Connor Gingell

RESULTS:

The following test results relate only to the ignitability of the combination of upholstery composites (BS 5852:2006 Clause 11) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

Observation of test:

Test No.	Ignition Source 5	Duration of	Special Features of Burning		Extent of damage to component					
					Vertical (mm)			Horizontal (mm)		
					Position	Flames (minutes)	Charring	Melting	Length	Width
1	M	04.21	Yes	Yes	274	99	12	94	94	09
2	M	03.56	Yes	Yes	253	102	19	78	89	04

LHS=Left Hand Side M= Middle RHS= Right Hand Side TOC= Top of Composite

COMMENTS & OBSERVATIONS:

The sample tested **complies with the flammability requirements** of BS 5852: 2006 (Clause 11 Upholstery Composite) Methods of test for (Assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources) in accordance with Section 4 using ignition source 5 wooden crib test

Source 5 (crib): **PASS (P5)**