



**Textiles F.R. Limited**  
*Flame Retardancy Finishers & Consultants*

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TFR is a trading name of Textiles F.R. Ltd

## Test Report & Certificate

UKAS TESTING LABORATORY No.1413

British Standard Flammability Test Document: 19406

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BS5852:2006:Source 5

Wooden Crib Source 5

Customer Account: SAH003  
 SAHCO HESSLEIN GMBH  
 & CO KG  
 KREUZBURGER ST 17-19  
 D-90471 NURNBERG  
 GERMANY

Order Details  
 TFR Order No : 228824  
 Customer Order : EMAIL  
 Order Date : 04/07/2016  
 Fabric Description : 2615-11 DUMAS  
 Fabric Composition :  
 Quantity (metres) : 2.0

Sample Conditioning : Test specimens were maintained for at least 72 hours at indoor ambient temperature & humidity prior to introduction to the conditioning room for 24 hours with an environment of 23°C +/- 2°C and Relative Humidity 50% +/- 5 %

Test Enclosure Conditions : Temperature 23 °C Relative Humidity 50 %

Cleansing Procedure : 30 minute water soak (BS5651:1989:Clause 3)

Sample Treatment : Fabric treated with a flame retardant backcoating chemical

Filling materials used in composite : Combustion modified foam (approximate density 35Kg/cubic metre)

Test Procedure:  
 The test sample of dimension 1100mm (warp) x 650mm (weft) was exposed to an ignition source 5 wooden crib (placed between the test assembly seat & back). Observations were made of any combustion activity.

Report Notes:  
 The following results relate only to the ignitability of the combination of upholstery composites (section 4 of BS5852:2006) 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.

OBSERVATIONS	Rep1	Rep2	MEASUREMENTS	Rep1	Rep2
Unsafe escalating combustion:	No	No	Sample ignition (sec):	30	28
Test assembly consumed :	No	No	Flame extinction (sec):	306	310
Smoulders to extremities :	No	No	Cover split (sec):	75	73
Smoulders through thickness :	No	No	Seat width damage (mm):	140	160
Smoulders more than one hour:	No	No	Seat length damage (mm):	115	110
Charring >100mm (except up) :	No	No	Seat depth damage (mm):	35	45
Flames for >10 minutes :	No	No	Back width damage (mm):	155	170
Flames to extremities :	No	No	Back depth damage (mm):	50	70
Flames through thickness :	No	No			
Melting :	Yes	Yes			
Dripping :	No	No			
Charring :	Yes	Yes			

**Comments:**

COMPLIANCE REQUIREMENTS: No escalating smouldering or flaming combustion behaviour so that it is unsafe to continue the test and forcible extinction is required. The specimen should not essentially be consumed or smoulder or flame to its side extremities or to its full depth. No detectable smoke, heat or glowing 60 minutes after ignition of the crib. No charring within the filling more than 100mm in any direction apart from upward from the nearest point of the ignition source. All flaming should cease within 10 minutes after ignition of the crib. No isolated floor fires originating from specimen debris.

Specimen complied with the requirements for BS5852:2006:Source 5  
 Non-ignition condition (any smouldering or flaming met compliance requirements)

Conducted by : Mr. R. BERRY  
 Laboratory Technician

Date 01/08/2016

Authorised by: Miss K. BUTTON  
 Office Manager

Date 01/08/2016