

Our Ref: SW/PN/JB

7 May 2012

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Chieftain Fabrics
Fair Green
Trim
Co. Meath
Ireland

Contact: Dan Kinsella

DATE RECEIVED	:	29 APRIL 2012
FABRIC SUPPLIER	:	CHIEFTAIN FABRICS
QUALITY/REFERENCE	:	JUST PATTERNS HELIX/BIRCH
REPUTED FIBRE CONTENT	:	PVC COATED POLY-COTTON
FABRIC DESCRIPTION	:	NONE
COLOUR/DESIGN	:	HELIX CORAL
END USE	:	CONTRACT
PEFORMANCE STANDARD	:	GENERAL

REQUEST: BS 5852:2006. Ignition Source 5

COMMENTS: The sample submitted meets the requirements of BS 5852:2006. (Ignition Source 5)



S. WISEMAN
LABORATORY MANAGER



P. NEESAM
HEAD OF FLAMMABILITY

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FIRE TESTS ACCORDING TO BS 5852:2006. Methods of Test for the assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources.

Procedure

The specimens of New Black PU Upholstery Fabric were mounted over fillings of combustion modified high resilience foam of density about 36 Kg/m³, and were tested after undergoing the water soaking procedure specified in BS5852: 2006, Annex E, followed by conditioning for 72 h in ambient conditions and then 24 h in the following conditions:

Temperature (23 ± 2) °C

Humidity (50 ± 5) %

Tests were carried out using ignition source 5, with an ignition / nonignition classification being assigned to each test performed.

Requirements

Ignition Source No.	Maximum duration allowed for progressive smouldering	Maximum duration allowed for flaming
5	60 mins after ignition of wood crib	10 mins after ignition of wood crib

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 the test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

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Results

Ignition Source	Ignitability Performance
5	NI
5	NI

During testing the following was also noted: -

	Test 1	Test 2
Time of ignition (sec)	25	26
Time of flame extinction (sec)	2	279
Time of cover split (sec)	64	48
Damage on seat width (mm)	120	110
Damage on seat length (mm)	90	105
Damage on seat depth (mm)	30	30
Damage on back width (mm)	125	120
Damage on back length (mm)	390	370
Damage on back depth (mm)	35	55

Observations

Melting (Yes or No)	Yes	Yes
Dripping (Yes or No)	Yes	Yes
Charring (Yes or No)	Yes	Yes

Comments

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