HighStreet
TEXTILE TESTING SERVICES LIMITED

Our Ref: SW/PN/BR 24 February 2016

Report 269232/2 **Page 1 of 3**

Herida Healthcare Ltd
13 Oakfield Road
Blackwater
Camberley
Surrey
GU17 9EA

DATE RECEIVED	:	12 FEBRUARY 2016
QUALITY REFERENCE	:	CUMBRIA 430X430X100MM CASTELLATED 36/125
REPUTED FIBRE CONTENT	:	COATED
COLOUR/DESIGN	:	PU ROYAL BLUE COVER
PERFORMANCE STANDARD	:	GENERAL

REQUEST: BS7176:2008 + A1:2011 Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites – Table 1: Low Hazard Use

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RESULT: Meets the flammability performance requirements of BS7176:2008 + A1:2011 -Table 1 Low Hazard Use

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S. WISEMAN
LABORATORY MANAGER

P.NEESAM
HEAD OF FLAMMABILITY

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UKAS TESTING 1695

118 Lupton Avenue Leeds LS9 6ED England
Tel: 0044 (0)113 248 8830 Fax: 0044 (0)113 248 0239 Email: hstts@hstts.co.uk
Registered no. 2899980 VAT No. 613 4310 86

BS 7176:2008 + A1:2011 Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites

BS7176:2008 +A1:2011 specifies flammability performance requirements for composites comprising cover fabric and filling material(s) and includes additional requirements in clause 4.1.2 relating to the flammability behaviour of the filling materials used.
Clause 4.1.1 requires that testing is carried out in accordance with the frequency stated in clause 5. No information was provided by the client regarding the lot size or frequency of testing.

According to Table 1, composites for Low Hazard end-use shall meet the requirements of BSEN 1021-1:2006 (cigarette ignition source) and BSEN 1021-2:2006 (match-equivalent flame).

Pre-treatment:

In accordance with clause 4.2, all fabrics which have been chemically treated to reduce their ignitability are subjected to the water soaking and drying procedures specified in BSEN 1021-1 & BSEN 1021-2:2006 Annex D prior to being conditioned. Such pre-treatment is not necessary for materials which are formulated to be or are inherently flame-retarded.

Pre-treatment applied: None (tested in 'as received' condition)

Conditioning

After any pre-treatment given but prior to testing, the test specimens of Cumbria 430x430x100 were subjected to conditioning for at least 72 hours in ambient indoor conditions followed by a minimum of 24 hours at a temperature of (23± 2°C) and relative humidity of (50±5%).

Test results

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test; 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.

(i) BS EN 1021-1:2006 Furniture - Assessment of the ignitability of upholstered furniture – Part I. Ignition Source: Smouldering cigarette.

Test	Observations	Outcome
1	No flaming or progressive smouldering observed	Pass
2	No flaming or progressive smouldering observed	Pass

(ii) BS EN 1021-2:2006 Furniture - Assessment of the ignitability of upholstered furniture – Part 2. Ignition Source Match flame equivalent.

Duration of flame application: 15 seconds

Test	Observations	Outcome
1	Duration of flaming: 11 secs No progressive smouldering observed	Pass
2	Duration of flaming: 31 secs No progressive smouldering observed	Pass
3	Duration of flaming: 5 secs No progressive smouldering observed	Pass

Comments

Meets the flammability performance requirements of BS7176:2008 + A1:2011 -Table 1 Low Hazard Use