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| Received:07/12 | /2018 Completed: 07/23/2013 | Letter: H11 | JB P.O. #: 450 | 0027812 | Test Report #: | 3-27317-0-11 | | |
|--|--|----------------------------------|----------------------------------|--------------------|---|---|--|--|
| Client's Item: 1015-06181. SPS-0152. Date of Mfg.: 6/28/18. Product End Use: Upholstery. Identification | | | | | | | | |
| Tested For: Kı | | | Key Test: BS EN 1021-1: 2014 275 | | | | | |
| | niroyal Engineered Products, I I South Water Street | LLC | | Tale | 1-(608)-873-6631 | Ext: | | |
| ř | oughton, WI 53589 | | | | 1-(008)-8/3-0031 | EXU | | |
| | · · · · · · · · · · · · · · · · · · · | | | | | · . · · · · · · · · · · · · · · · · · · | | |
| | | LE 2014; V 11/ | 17 PC: 2 | 4H | sm/ja | | | |
| | MED: British Standard Assessment of the Igni | | | niture, | Part 1 | | | |
| IGNITION SOU | JRCE: Smouldering Ciga | rette | | | | | | |
| TEST ITEM CO | OMPOSITE: | | | | | | | |
| Client's | Cover Fabric: (see "C | lient's Identi | fication" sec | tion ab | ove) | | | |
| Suggested | Filling Material: | | | | | | | |
| [x] No | on flame retardant flex | ible polyether | foam, 22 kg/ | m³ (1.4 | lb/ft3) | | | |
| [] Fl | ame retardant polyuret | hane foam, 45 1 | kg/m³ (2.8 lb | /ft³), | Code Red II 35 | | | |
| [] No wi | on flame retardant flex th Sandel Style 12701- | ible polyether 14502 fire blo | foam, 22 kg/ cking materia | m³ (1.4 l (4.7 | lb/ft³), wrapped ± 0.5 oz/yd²) | | | |
| COVER FABRIC | WATER SOAKED PRIOR TO | TESTING IN ACC | CORDANCE WITH | ANNEX | D: [x] Yes; [] No | | | |
| PRECONDITION | ING: 24 hours at 23°C | ± 2°C (73.4°F | ± 2°F) and 5 | 0% ± 5% | RH | | | |
| chair. A li | PTION OF TEST: Test of ghted digarette is plate are made and results | ced in the crev | aced in a tes vice formed b | t frame y the s | to form a mockup of eat and back cushion | f an upholstered n. Test | | |
| | | | : | DETAILED RESULTS | | | | |
| | | | Initia | | Repeat Test | | | |
| All smoulder ceased after | ing (heat, smoke, or g | lowing) :ss]: | 11:30 | | 08:16 | | | |
| Furthest ext Left of i | ent of smouldering/fla gnition source | ming [mm]: | O | | 0 | - | | |
| Right of | ignition source | [mm] : | O | | 0 | | | |
| Forward o | f ignition source | (mm): | 0. | | o | | | |
| | | (Page 1 | of 3) | | | | | |



| Received:07/12/2018 Completed:07/23/2018 Letter: H11 | JB P.O.#: 4500027812 | Test Report #: | 3-27317-0-11 |
|---|--------------------------------|-------------------------|--------------|
| Client's Item: 1015-06181, SPS-0152. Date of Mfg.: 6/2 dentification | 28/18. Product End Use: Uphols | stery. | |
| ested For: Kristi Rygh | Key Test: B | S EN 1021-1: 2014 | 27: |
| Uniroyal Engineered Products, LLC | | • | |
| 501 South Water Street Stoughton, WI 53589 | Tel: 1- Fax: 1- | -(608)-873-6631 | Ext: |
| Stoughton, W1 55567 | | RESULTS | <u> </u> |
| | | | |
| CONITION CRITERIA: | Initial Test (yes/no) | Repeat Test (yes/no) | |
| mouldering | ~~~~~ ~~ | | |
| Unsafe escalating combustion (3.1a): | No | No | |
| Test assembly consumed (3.1b): | No | No | |
| Smoulders to extremities (3.1c): [Left 190mm, Right 190mm, Forward 225mm] | No | No | |
| Smoulders through thickness (3.1c): | No | No | |
| Smoulders more than 1 hour (3.1d): | Мо | No | |
| Smoulders, where upon final examination, evidence of active smouldering was apparent after the test specimen was dismantled and | | | |
| examined internally (3.1e, 9.3): | No | No | |
| laming | | | |
| Occurrence of flames (3.2): | ИО | No | |
| UMMARY RESULTS EXPLAINED: If "Yes" is entered gnition did occur. | d for any category, the | report must conclu | de that |
| BBREVIATIONS WHICH MAY BE USED: | | | |
| <pre>N/O = Not observed. NT = Not tested. EC = Escalating combustion (unsafe); test</pre> | extinguished by technic | tian at time noted. | |
| COMMENTS: [] Replacement cigarette(s) not need complete length. | | | |
| [x] Replacement cigarette used on: [x | | eat test | |
| (Pa | uge 2 of 3) | | |
| | | | |
| | | | |



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| /2018 Completed: 07/23/2018 | Letter: H11 | JB | P.O.#: 4500027812 | Test Report #: | 3-27 | 317-0-11 |
|---------------------------------|-------------------------------|---|---|---|---|---|
| Item: 1015-06181. SPS-0152. I | Date of Mfg.: 6/ | 28/18. | Product End Use: Uphols | stery. | | |
| risti Rygh | | | Key Test: B | S EN 1021-1: 2014 | | 275 |
| niroyal Engineered Products, Ll | LC | | | | | |
| 11 South Water Street | | | Tel: 1 | -(608)-873-6631 | Ext: | |
| oughton, WI 53589 | | | Fax: 1- | -() | | |
| | Item: 1015-06181. SPS-0152. I | risti Rygh niroyal Engineered Products, LLC 01 South Water Street | Item: 1015-06181. SPS-0152. Date of Mfg.: 6/28/18. risti Rygh niroyal Engineered Products, LLC 01 South Water Street | Item: 1015-06181. SPS-0152. Date of Mfg.: 6/28/18. Product End Use: Uphol risti Rygh Rey Test: B niroyal Engineered Products, LLC OI South Water Street Tel: 1 | Item: 1015-06181. SPS-0152. Date of Mfg.: 6/28/18. Product End Use: Upholstery. risti Rygh niroyal Engineered Products, LLC Ol South Water Street Tel: 1-(608)-873-6631 | Item: 1015-06181. SPS-0152. Date of Mfg.: 6/28/18. Product End Use: Upholstery. risti Rygh niroyal Engineered Products, LLC Ol South Water Street Tel: 1-(608)-873-6631 Ext: |

CONCLUSION: The above Results indicate that:

[x] Ignition Criteria did not occur (favourable)

[] Ignition Criteria did occur (unfavourable)

Note: The subject test measures whether or not ignition occurs. The codes speak in terms of ignition resistance. Therefore, the condlusion "Ignition Criteria did not occur" is a favourable conclusion; and "Ignition Criteria did occur" is not a favourable conclusion.

PROVISO: The test conducted herein is based on a prototype composite using a candidate upholstery covering fabric and a standard filling material. The results displayed by the candidate upholstery fabric may differ when used in an actual item of upholstered furniture, since other variables may affect the fire performance properties. Other variables may consist of: different filling materials; fire blocking materials; furniture geometry; and other furniture components.

The above 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.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

AUTHORIZED SIGNATURE

SGS GO∀MARK / jab -{ Phyllis Ferrital Nature AUG 0 2 2018

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| Client's Item: 1015-06181. SPS-0152. Date of Mfg.: 6/28/18 dentification Cested For: Kristi Rygh Uniroyal Engineered Products, LLC 501 South Water Street Stoughton, WI 53589 | Key Test: Tel: Fax: PC: 24H | nolstery. BS EN 1021-2: 2014 1-(608)-873-6631 1-() | 37: Ext: |
|--|-----------------------------------|---|-----------------|
| Uniroyal Engineered Products, LLC 501 South Water Street Stoughton, WI 53589 | Tel: Fax: PC: 24H | 1-(608)-873-6631 1-() | |
| 501 South Water Street Stoughton, WI 53589 | Fax: PC: 24H | 1-() | Ext: |
| Stoughton, WI 53589 | Fax: PC: 24H | 1-() | Ext: |
| | PC: 24H | | |
| | | SM/jd | |
| LE 2014; V 11/17 | | | |
| EST PERFORMED: British Standard BS EN 1021-2: 20 Turniture - Assessment of the Ignîtability of Upho | | Part 2 | |
| GNITION SOURCE: | | | |
| Match flame equivalent (15 seconds butane flame |) | | |
| EST ITEM COMPOSITE; | | | |
| Client's Cover Fabric: (see "Client's Identifi | cation" section ab | oove) | |
| Suggested Filling Material: | | | |
| [x] Non flame retardant flexible polyether f | oam 22 kg/m³ (1.4 | lb/ft ³) | |
| [] Flame retardant polyurethane foam, 45 kg | $/m^3$ (2.8 lb/ft ³), | Code Red II 35 | |
| { } Non flame retardant flexible polyether f with Sandel Style 12701-14502 fire block | | | |
| OVER FABRIC WÄTER SOAKED PRIOR TO TESTING IN ACCO | RDANCE WITH ANNEX | D: [x] Yes [] No | |
| RECONDITIONING: | | | |
| 24 hours at 23°C ± 2°C (73.4 ± 2°C) and 50% ± | 5% RH | | |
| RIEF DESCRIPTION OF TEST: Test cushions are placed in a test frame to form a succeed by butane, is placed in the crevice formed surns upwardly on the seat back for a period of 15 ecorded. | by the seat and ba | ack cushion so that | the butane flam |
| (Page 1 o | f 4) | | |



| Received: 07/12/2018 Completed: 07/23/2018 | Letter: H12 | JB P.O.#: 4500 | 0027812 | Test Report #: | 3-27317-0-12 |
|---|-------------------|----------------------|-------------------|----------------|--------------|
| Client's Item: 1015-06181. SPS-0152. I | Date of Mfg.: 6/2 | 28/18. Product End U | Use: Upholstery | | |
| Tested For: Kristi Rygh Uniroyal Engineered Products, LLC 501 South Water Street Stoughton, WI 53589 | | К | 375 Ext: | | |
| | | DES | | | |
| | | Initial Test | Repeat Test #1 | | |
| Cover charred and ignited within | [mm:ss]: | 00:06 | 00:08 | 00:07 | |
| Cover split/melted open after | [mm:ss]: | N/O | N/O | N/O | |
| Filling material ignited after | [mm:ss]: | N/O | N/O | N/O | |
| All flaming ceased after | [mm:ss]: | 00:16 | 00:16 | 00:16 | |
| All smouldering (heat, smoke, or glowing) ceased after | [mm:ss]: | 00:30 | 00:29 | 00:32 | |
| Furthest extent of smouldering | | | | | |
| Left of ignition source | [mm]: | 2 | İ | 3 | |
| Right of ignition source | [mm]: | 2 | 2 | 2 | |
| Forward of ignition source | [mm]: | 2 | 1 | 1 | |
| Furthest extent of flaming | | | | | |
| Left of ignition source | [mm]: | 2 | 1 | 3 | |
| Right of ignition source | [mm]: | 2 | 2 | 2 | |
| Forward of ignition source | [mm]: | .2 | 1 | 1 | |
| (* Timing of values begins with the | e application | n of the igniti | ng flame.) | | |



96-D Allen Boulevard Farmingdale, New York 11735-5626 USA Tel. +1 (631) 293-8944 Fax +1 (631) 293-8956

e-mail: testing@govmark.com

| Received: 07/12/2018 Completed: 07/23/2018 Letter: H12 Client's Item: 1015-06181. SPS-0152. Date of Mfg.: 6/28/2018 | JB P.O.#: 4500 /18 Product End I | | Test Report #: | 3-27317-0-12 | | |
|--|---|---|-----------------|--------------|--|--|
| dentification | 10. 1100000 2.,0 0 | , so. Opnomen, | | | | |
| Fested For: Kristi Rygh Uniroyal Engineered Products, LLC 501 South Water Street Stoughton, WI 53589 | K | rest: BS EN Tel: 1-(608 Fax: 1-()- | 3)-873-6631 | 37. Ext: | | |
| | SU | SUMMARY RESULTS | | | | |
| GNITION CRITERIA: | Initial Test (yes/no) | Repeat Test #1 (yes/no) | Test #2 | | | |
| mouldering | | | | | | |
| Unsafe escalating combustion (3.1a): | No | No | ЙÓ | | | |
| Test assembly consumed (3.1b): | No | No | No | | | |
| Smoulders to extremities (3.1c): [Dimensions: Left 229mm; Right 229mm; Forward 229mm] | No | No | No | | | |
| Smoulders through thickness (3.1c): | No | Ño | ИФ | | | |
| Smoulders more than 1 hour (3.1d): | No | No | No | | | |
| Smoulders, where upon final examination, evidence of active smouldering was apparent after the test specimen was dismantled and examined internally (3.1e, 9.3): | No | No | No | | | |
| Flaming | | | | | | |
| Unsafe escalating combustion (3.2a): | No | No | No | | | |
| Test assembly consumed (3.2b); | No | No | No | | | |
| Flames to extremities (3.2c): {Dimensions: Left 229mm; Right 229mm; Forward 229mm} | No | ЙО | No | | | |
| Flames through thickness (3.2c): | No | No | N.o | | | |
| Flaming more than 120 seconds after removal of burner tubes [includes flaming drip on floor] (3.2d): | No | No | No | | | |
| "SUMMARY RESULTS" EXPLAINED: If "Yes" is entered ignition did occur. | d for any cate | gory, the r | eport must conc | lude that | | |
| (Page 3 | of 4) | | | | | |



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| | | | | | 1 450 1 |
|--|---|--|--|---|--------------------------|
| Received:07/ | /12/2018 Completed: 07/23/2018 Letter | : H12 JB | P.O.#: 4500027812 | Test Report #: | 3-27317-0-12 |
| Client's Identification | Item: 1015-06181. SPS-0152. Date of | Mfg.: 6/28/18. | Product End Use: Uphols | tery. | |
| Tested For: | Kristi Rygh | | Key Test: BS | S EN 1021-2: 2014 | 375 |
| | Uniroyal Engineered Products, LLC 501 South Water Street Stoughton, WI 53589 | | Tel: 1- Fax: 1- | (608)-873-6631 () | Ext: |
| ABBREVIAT: | IONS WHICH MAY BE USED: | | | | |
| NT = 1 | Not observed. Not tested. Escalating combustion (unsafe); | test extir | guished by technicia | an at time noted. | |
| COMMENTS: | None. | | | | |
| CONCLUSION | N: The above Results indicate | that: | | | |
| [x] Igr | nition Criteria did not occur (| favourable) | | | |
| [] Igr | nition Criteria did occur (| unfavourabl | e) | | |
| in term | The subject test measures whether of igniton resistance. There our" is a favourable conclusionable conclusion. | efore, the | conclusion "Ignition | n Criteria did | |
| covering f fabric may affect the | The test conducted herein is be Eabric and a standard filling may differ when used in an actual e fire performance properties. King materials; furniture geomet | aterial. T item of up Other vari | he results displayed holstered furniture, ables may consist of | d by the candidate , since other vari f: different fill | upholstery ables mav |
| particular | test results relate only to the conditions of test; they are not the materials in use. | ∍ ignitabil not intende | ity of the combinatid as a means of ass ϵ | ion of materials uessing the full po | nder the tential fire |
| CERTIFICAT with the p | TION: I certify that the above procedures and equipment specific | results we ied above. | re obtained after to | esting specimens i | n accordance |
| Ull | D Phyllis | s Pettit | | | |
| AUTHORIZED SGS GOVMAR / jab /gb | SIGNATURE AUG (| 0 2 2018 | | | |

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