



Received: 11/04/2011 Completed: 11/10/2011 Letter: D rb P.O.#: 4500014778 Test Report #: 2-89907-0-

Client's Identification Lot No: 1008-10111. Date of Mfg: 10-26-11. Style: US-393 Spirit Millennium Black. Composition: N/A. Weight: N/A. Density: N/A. Thickness: N/A. End Use: Upholstery.

Tested For: **Raymond E. Venn** Key Test: IMO A.652(16) 8.2 215  
Uniroyal Engineered Products  
501 South Water Street  
Stoughton, WI 53589  
Tel: 1-(608)-873-6631 Ext: 226  
Fax: 1-(800)-741-2237

Category: Uph.Furniture(cig) Specifier: IMO PC: 16H SM/jd

TEST PERFORMED: IMO FTP Code - International Code for Application of Fire Test Procedures - Resolution MSC.61(67): Annex I - Fire Test Procedures, Part 8 - Test For Upholstered Furniture

IMO Resolution A.652(16) Recommendation on Fire Test Procedures For Upholstered Furniture (Methods of Test for the Ignitability by Smokers' Materials of Upholstered Composites for Seating): Section 8.2, Smouldering Cigarette Test

IGNITION SOURCE: Smouldering cigarette

TEST ITEM COMPOSITE:

Cover Fabric --

- Client's cover fabric: (see "Client's Identification" section above)
- Standard cover fabric, 100% inherently flame retardant polyester fabric, approx. 220 g/m<sup>2</sup>

Filling Material --

- Standard filling material, as listed below:
  - Non flame retardant flexible polyether foam, 22 kg/m<sup>3</sup> (1.4 lb/ft<sup>3</sup>)
  - Flame retardant polyurethane foam, Code Red II 35, 45 kg/m<sup>3</sup> (2.8 lb/ft<sup>3</sup>)
  - Non flame retardant flexible polyether foam, 22 kg/m<sup>3</sup> (1.4 lb/ft<sup>3</sup>), wrapped with Uniguard fire blocking material

Client's filling material: \_\_\_\_\_

WATER SOAKING: Is not mandated by A.652(16)

RESULTS:	Progressive Smouldering (yes/no)	Flaming (yes/no)
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Initial Test:	No	No
Retest:	No	No



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<b>Tested For:</b>	<b>Raymond E. Venn</b>	<b>Key Test:</b> IMO A.652(16) 8.2			215	
	Uniroyal Engineered Products 501 South Water Street Stoughton, WI 53589	Tel: 1-(608)-873-6631		Ext: 226		
		Fax: 1-(800)-741-2237				

REMARKS: None.

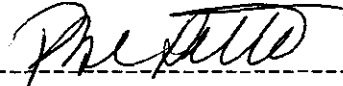
FAILURE CRITERIA:

Progressive smouldering or flaming within one hour after start of test.

CONCLUSION: Based on the above Results and Failure Criteria, the item tested:

Passes;  Fails

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by IMO Resolution A.652(16).

  
----- NOV 16 2011  
AUTHORIZED SIGNATURE  
THE GOVMARK ORGANIZATION, INC. / ec *ly6*  
**MS. PHYLLIS PETTIT**

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Received: 11/04/2011 Completed: 11/10/2011 Letter: D1 rb P.O.#: 4500014778 Test Report #: 2-89907-1-

Client's Identification Lot No: 1008-10111. Date of Mfg: 10-26-11. Style: US-393 Spirit Millennium Black. Composition: N/A. Weight: N/A.  
Density: N/A. Thickness: N/A. End Use: Upholstery.

Tested For: **Raymond E. Venn** Key Test: IMO A.652(16) 8.3 325  
Uniroyal Engineered Products  
501 South Water Street  
Stoughton, WI 53589  
Tel: 1-(608)-873-6631 Ext: 226  
Fax: 1-(800)-741-2237

Category: Uph.Furniture(butane) Specifier: IMO PC: 16H SM/jd

TEST PERFORMED: IMO FTP Code - International Code for Application of Fire Test Procedures - Resolution MSC.61(67): Annex I - Fire Test Procedures, Part 8 - Test For Upholstered Furniture

IMO Resolution A.652(16) Recommendation on Fire Test Procedures for Upholstered Furniture (Methods of Test for the Ignitability by Smokers' Materials of Upholstered Composites for Seating): Section 8.3, Butane Flame Test

IGNITION SOURCE: 20 seconds butane flame

TEST ITEM COMPOSITE

Cover Fabric --

- Client's cover fabric: (see "Client's Identification" section above)
- Standard cover fabric, 100% inherently flame retardant polyester fabric, approx. 220 g/m<sup>2</sup>

Filling Material --

- Standard filling material:
  - Non flame retardant flexible polyether foam, 22 kg/m<sup>3</sup> (1.4 lb/ft<sup>3</sup>)
  - Flame retardant polyurethane foam, Code Red II 35, 45 kg/m<sup>3</sup> (2.8 lb/ft<sup>3</sup>)
  - Non flame retardant flexible polyether foam, 22 kg/m<sup>3</sup> (1.4 lb/ft<sup>3</sup>), wrapped with Uniguard fire blocking material
- Client's filling material:

WATER SOAKING: Not mandated by A.652(16)

RESULTS:	Flaming* (seconds)	Glowing* (seconds)	Smoking* (seconds)	Smoldering* (seconds)
Initial Test:	0	0	26	0
Retest:	0	0	12	0

\* Values are reported after removal of burner tube ignition source.



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Tested For: <b>Raymond E. Venn</b> Uniroyal Engineered Products 501 South Water Street Stoughton, WI 53589	Key Test: IMO A.652(16) 8.3				325	
	Tel: 1-(608)-873-6631		Ext: 226			
	Fax: 1-(800)-741-2237					

REMARKS: None.

FAILURE CRITERIA:

Flaming, glowing, smoking, or smouldering which exceeds 120 seconds.

CONCLUSION: Based on the above Results and Failure Criteria, the item tested:

Passes;  Fails

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by IMO Resolution A.652(16).

NOV 16 2011

AUTHORIZED SIGNATURE  
THE GOVMARK ORGANIZATION, INC. / ec

**MS. PHYLLIS PETTIT**

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