

"This is a supersede report of WOA00097637, dated August 16, 2016"

4380 Amphora

CA TB 117:2013 – Smolder Resistance of Materials used in Upholstered Furniture
 -Section 1: Cover Fabric Test

The cover fabric material submitted does meet the flame resistance requirements when tested in accordance with the Bureau of Electronic & Appliance Repair Home Furnishings and Thermal Insulation, Technical Bulletin 117 – 2013, Section 1: Cover fabric test

Component Description: 4380 Amphora			
Initial Test			
	Vertical Char length (Inches)	Mock-up specimen continues to smolder After 45 Minutes	Mock-up test specimen transitions to open flaming
Specimen 1	.7	No	No
Specimen 2	.6	No	No
Specimen 3	.7	No	No

Requirements: A cover fabric material considered pass or fail based on following criteria

1. A single mock-up test specimen fails to meet the requirements of this test procedure if any of the following criteria occurs:
 - a). The mock-up test specimen continues to smolder after 45 minutes test duration.
 - b). A vertical Char length (measured as specified in step 11.9 of ASTM E1353-08a^{e1}) of more than 1.8 inches (45 mm) develops on the cover fabric.
 - c). The mock-up test specimen transitions to open flaming.
2. The cover fabric passes the test if three initial mock-up specimens pass the test, i.e., the cigarettes burn their full length and the mock-ups are no longer smoldering.
3. If more than one initial specimen fails, the cover fabric fails the test.
4. If any one of the three initial specimens fails, repeat the test on additional three specimens.
5. If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test.

Note: For Cover fabrics that pass this section, the first layer of filling materials located below the cover fabric shall also meet the test requirements of section 3 of CA TB -117 :2013

TEST RESULTS:

Style #: 4380 Amphora / CC3005-06 Custom Ambrosia

NFPA 701:2015 – Fire Tests for Flame Propagation of Textiles and Films – Method 1

As received

	After-Flame time (s)	Burning time of materials that falls to the bottom of chamber (s)	Weight before exposure (g)	Weight after exposure (g)	% Weight Loss
Specimen 1	0	0	19.2	18.8	2.1
Specimen 2	0	0	18.9	18.8	0.5
Specimen 3	0	0.4	18.9	17.4	7.9
Specimen 4	0	0	18.9	18.9	0
Specimen 5	0	0	19	16.8	11.1
Specimen 6	19.2	5.6	18.7	16.5	11.8
Specimen 7	0	0	18.9	16.6	12.2
Specimen 8	0	0	18.6	17	8.6
Specimen 9	0	0.4	19.2	17	11.5
Specimen 10	0	0	18.9	17.7	6.3
Average	1.9	0.6	18.9	17.6	7.2
Standard Deviation	NA	NA	NA	NA	4.8

To pass, a sample shall meet below criteria

10.1.1.1 Fragments or residues of specimens that fall to the floor of the test chamber shall not continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens.

10.1.1.2 The average weight loss of the 10 specimens in a sample shall be 40 percent or less.

10.1.1.3 No individual specimen's percent mass loss shall deviate more than 3 standard deviations from the mean for the 10 specimens.

10.1.1.4 When a retest is required, no individual specimen's percent mass loss in the second set of specimens shall deviate from the mean value by more than 3 standard deviations calculated for the second set.

Conclusion: The submitted sample passes when tested in accordance with NFPA 701, Fire Tests for Flame Propagation of Textiles and Films, Test Method 1.

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COLORFASTNESS TO CROCKING

AATCC 116-13

Dry	4.5
Wet	4.5

RATING SYSTEM

Grade 5, Negligible Color Staining
Grade 4, Slight Color Staining
Grade 3, Noticeable Color Staining
Grade 2, Considerable Color Staining
Grade 1, Excessive Color Staining

NFPA 260-2013 Standard Methods of Test and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture

The material submitted is an NFPA 260 Class I cover fabric when tested in accordance with NFPA 260, Fabric Classification Test Method.

Specimen #	Vertical Char Length (mm)
1	16
2	15
3	18

Classification:

Class 1 - This class includes all fabrics which exhibit a vertical char of less than 45 mm on each of the three replications when subjected to the fabric classification test of NFPA 260, Section 4-1