

certificate of testing

client Richloom Bailey Plant
 100 Bailey Plant Rd.
 Clinton, SC 29325

product identification Perina Bronze

test method performed standard methods of fire test for flame propagation of textiles and films nfa 701 – 2019,
 test method 1

date of test 11/20/24

test results:

	mass initial (g)	mass final (g)	mass loss (%)	flaming drip (s)	after flame (s)
1	7.4	5.7	23%	0.0	0.0
2	7.5	6.2	17%	0.0	0.0
3	7.3	5.6	23%	0.0	0.0
4	7.5	6.4	15%	0.0	0.0
5	7.7	5.3	31%	0.0	0.0
6	7.3	6.2	15%	0.0	0.0
7	7.4	6.4	14%	0.0	0.0
8	7.2	5.8	19%	0.0	0.0
9	7.0	4.8	31%	0.0	0.0
10	7.2	6.1	15%	0.0	0.0
avg	7.4	5.9	20%	0.0	0.0

fabric weight (g)



1.17 ounces per square yard
 0 grams per square meter

standard deviation 6.6%
 mean + 3SD 40.4%

notes

approximate material weight 1.170 ounces per sq yard
 standard deviation 6.6%
 mean + 3 standard deviations 40.4%
 product configuration single layer multi layer
 results reported initially other:
 conditioning oven 220°F, 30 minutes 70 ±3.5°F, 50 ±5% rh for 24h
 sampling as received
 intended end use drapery other:

certificate of testing

acceptance criteria *after flame is required to be recorded but the standard does not factor it in the failure criteria*

1. flaming drip cannot exceed an average of 2 seconds per specimen for the sample of 10 specimens
2. the average weight loss of the 10 specimens in a sample shall be 40 percent or less
3. no individual specimen's percent mass loss shall deviate more than 3 standard deviations from the mean for the 10 specimens

conclusion

based upon the test results and acceptance criteria listed above, the product identified

- passes
- fails
- requires retesting of 10 additional specimens

certification statement by signing below, the lab certifies that the results were obtained after testing specimens submitted by the client in accordance to the procedures and equipment specified by the standard stated above.

approved by: *Tammy Bowen*

certificate of testing

client Richloom Bailey Plant
100 Bailey Plant Road
Clinton, SC 29325
product identification Loyalton – New Version

test method performed international maritime organization (imo) fire test procedures (ftp) code – 2010, annex 1
part 7 – test for vertically supported textiles and films
date of test 2.12.2024

test results

	specimen	after flame (s)	after glow (s)	surface flash (y/n)	edge reached (y/n)	ignition of cotton wool (y/n)	char length (mm)	test conducted
warp	1	0.0	0.0	n	n	n	120	<input type="checkbox"/> 5s face ignition
	2	0.0	0.0	n	n	n	94	<input type="checkbox"/> 15s face ignition
	3	0.0	0.0	n	n	n	110	<input type="checkbox"/> 5s edge ignition
	4	0.0	0.0	n	n	n	119	<input checked="" type="checkbox"/> 15s edge ignition
	5	0.0	0.0	n	n	n	139	
	avg	0.0	0.0				116	
fill	6	0.0	0.0	n	n	n	90	
	7	0.0	0.0	n	n	n	114	
	8	0.0	0.0	n	n	n	105	
	9	0.0	0.0	n	n	n	105	
	10	0.0	0.0	n	n	n	102	
	avg	0.0	0.0				103	

test information

test conditions 70 ±3.5°F, 50 ±5% relative humidity
conditioning time 70 ±4°F, 65 ±5% relative humidity minimum 24 hours
ignition source 40mm propane gas flame
side tested face back face + back
cleaning / weathering used none
sampling as received
date samples received 2/7/2024

client provided information

manufacturer / supplier not provided
manufacturer address not provided
product end use drapery / curtains
sampling procedure not provided
fabric composition 95% IFR, 5% poly
pick / end count not provided
yarn number count not provided
thickness of fabric not provided
weight of fabric not provided
color and tone cream
flame retardant treatment not provided

acceptance criteria

face ignition

- after flame ≤5 seconds for any specimen
- no flame propagation to the edges for any specimen

face or edge ignition

- no ignition of cotton wool for any specimen
- average char length ≤150mm for either test direction
- no occurrence of a surface flash for more than 100mm from the point of ignition

certificate of testing

conclusion

based upon the test results and acceptance criteria listed above, the product identified

- meets the requirements of the FTP code annex 1 part 7
- does not meet the requirements of the FTP code annex 1 part 7

certification statement by signing below, the lab certifies that the results were obtained after testing specimens submitted by the client in accordance to the procedures and equipment specified by the standard stated above.

approved by: *J. Fuend*

**The IMO FTP code states that "the test results relate to the behavior of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire haze of the product in use"*

appendix

determination of test conditions

flame application time	surface				edge			
	5		15		5		15	
	w	f	w	f	w	f	w	f
after flame (s)	0	0	0	0	0	0	0	0
after glow (s)	0	0	0	0	0	0	0	0
surface flash	n	n	n	n	n	n	n	n
edge reached	n	n	n	n	n	n	n	n
ignition cotton wool	n	n	n	n	n	n	n	n
char length (mm)	48	38	62	62	59	70	98	94

- sustained ignition occurred (after flame \geq 5 seconds)
- no sustained ignition: testing continued under conditions showing the greatest damaged length