TESTING SERVICES INC

TEST REPORT

CLIENT:

Company:	Brumlow Mills / Flagship Carpet	Report Number:	75605A
Address:	734 South River Street	Lab Test Number:	3068-8507
	Calhoun, GA 30701	Test Completion Date:	11/29/2018
		Report Date:	11/30/2018
Requested By:	Judy Meadows	Page:	1 of 1

TEST MATERIAL:

Material Type:	Carpet						Date Received:	11/13/2018	
Material Condition:	EXCELLENT:	XXX	GOOD:		POOR:		REJECTED:		
Identification:	24 oz Nylon w/Urethane Backing System								

TESTING METHODS REQUESTED:

Testing Services Inc. was instructed by the client to test for the following...			
Standard:	ASTM E648	Test Method:	Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source

SAMPLING PLAN:

Sampling Date:	11/13/2018

- Specimen sampling is performed in the sampling department at TSI.
- The sampling size of specimens is determined by the test method requirements.
- In the event a specific sampling size is not called for, a determination will be made based on previous testing experience, and approved for use by an authorized manager.
- All samples are subjected to the outside environmental conditions of temperature and relative humidly.
- Sample requiring pre-determined exposure to specified environmental conditions based on a specific test method, take place in the departments in which they are tested

DEVIATION FROM TEST METHOD:

State reason for any Deviation from, Additions to, or Exclusions From Test Method.
None

TEST SCOPE: This test method measures the critical radiant flux of horizontally mounted floor-covering systems exposed to a flaming ignition source positioned on a graded radiant heat energy environment within an enclosed chamber. The results are designed to provide a basis for estimating one aspect of fire behavior of a flooring system.

TEST SUMMARY:

TEST METHOD	TEST DESCRIPTION	TEST RESULT	Burn Distance	Time to Flame Out	Critical Radiant Flux
ASTM E648-17a	Critical Radiant Flux	Specimen #1	36.1 cm	41:35 min	0.59 W/cm²
		Specimen #2	10.0 cm	14:29 min	1.02 W/cm²
		Specimen #3	11.1 cm	13:59 min	1.02 W/cm²
	Average	0.88 W/cm²			
	NFPA Classification	Class I			
	STDEV	0.25			
	COF of Variation	28.28%			

Mounting Board: Calcium Silicate Board Adhesive: Loose Lay Trowel: N/A
Conditioning: 96 hours @ 70°F 50% RH Calibration Curve: 363L Radiometer #: 5356

Uncertainty:
We undertake all assignments for our clients on a best effort basis. Our findings and judgments are based on the information using the latest test methods available.
TSI can only ensure the test results for the specific items tested.
Unless otherwise noted in the deviations sections of this report, all tests are performed in compliance with stated test method.

Test Report Approval:

Digitally signed by Erle Miles
DN: cn=Erle Miles, o=Testing Services Inc., ou, email=tsioffice@optilink.us, c=US
Date: 2018.11.30 11:10:03 -05'00'

Erle Miles, III, Lab Director, Testing Services Inc.

TSi Accreditation: Our laboratory is accredited by the US Dept. of Commerce, National Institute of Standards and Technology: ISO/IEC 17025:2005. Our code # is: NVLAP 100108-0.

NVLAP TESTING 100108-0

PO Box 2041
Dalton, GA 30722-2041
(706) 226-1400
tsioffice@optilink.us