Independent Textile Testing Service, Inc.

PO Box 1948 - 1503 East Morris Street - Dalton, GA 30722
Phone: 706-278-3013 • Fax: 706-272-7057 • E-mail: info@ittslab.com

Test Number: 124829

Test Report

Customer: Shaw Contract

October 30, 2012

Subject: Specimens of the submitted sample were prepared and tested in accordance with the procedures proposed by the National Institute of Standards and Technology (formerly National Bureau of Standards), Technical Note 708 and NFPA 258, ASTM E 662-06.

SMOKE DENSITY TEST (NIST)

Operating Conditions

Irradiance:	2.5 watts/cm^2	G Factor	132
Thermal Exposure:	Non-flaming		
Furnace Voltage:	100		
Burner Fuel:	--		

Sample Description

Style Name: Dip Dye
Style/Inventory #: 5T041
Color: 465 Scepter
Roll #: QE00GT9
Yarn Type: 100% Continous
Filament Nylon - Beck Dyed
Back Type: EcoWorx
Test #: 102312-5

Test Results

	#1	#2	#3	Average
Chamber Temperature, °F (start)	95	95	95	
Chamber Pressure	Maintained positive, under 3" H_2O			
Minimum Transmittance (TM), %	96%	38%	18%	
at, minutes	20.00	20.00	20.00	20.00
Maximum Specific Optical Density (DM)	266	187	230	228
Clear Beam, (DC)	1	1	1	1
DM, CORRECTED (DMC)	265	186	229	227
Specific Optical Density at 1.5 minutes	1	1	1	1
Specific Optical Density at 4.0 minutes	10	8	16	11
Time to 90% DM, minutes	13.65	16.78	12.13	14.19
Time to DS = 16, minutes	4.60	4.88	4.03	4.50

President L. Kent Suddeth

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Test Number: 124829

Test Report

Customer: Shaw Contract

December 5, 2012

Subject: Specimens of the submitted sample were prepared and tested in accordance with ASTM E 648-06 and/or Federal Test Method 372. NFPA 253

FLOORING RADIANT PANEL TEST

Sample Description

Graphic Cut Pile
Style Name: Dip Dye
Style/Inventory #: 5T041
Color: Scepter 465
Roll #: QE00GT9
Backing Type: EcoWorx
Yarn Type: 100% Continuous Filament Nylon – Beck Dyed
Test #: 102312-5

GSA SIN Number: 31-303: Carpet Tile

Test Assembly

Mounted on 6mm FRC Board
(Using Shaw G5000 Adhesive)

Test Results	Specimen No. 1	Specimen No. 2	Specimen No. 3
Critical Radiant Flux	0.81 watts/cm^2	0.81 watts/cm^2	0.79 watts/cm^2
Total Burn Length	24.0 cm	24.0 cm	25.0 cm
Flame Front Out	20.0 minutes	20.0 minutes	20.0 minutes

Average Critical Radiant Flux **0.80 watts/cm^2**

Estimated Standard Deviation **0.01 watts/cm^2**

1.4% coefficient of variation

President L. Kent Suddeth