

Independent Textile Testing Service, Inc.

Test Number: 154808-2

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Test Report

Customer: Mannington Commercial

April 16, 2015

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:	Flaming		
Furnace Voltage:	99		
Burner Fuel:	Propane		

Sample Description

Style: Scaffold
 Back: Integra HP

Test Results

	#1	#2	#3	Average
Chamber Temperature, °F (start)	95	95	95	
Chamber Pressure	Maintained positive, under 3" H ₂ O			
Minimum Transmittance (TM), %	72%	55%	12%	
at, minutes	7.31	6.93	8.08	7.44
Maximum Specific Optical Density (DM)	283	298	254	278
Clear Beam, (DC)	42	42	43	42
DM, CORRECTED (DMC)	241	256	211	236
Specific Optical Density at 1.5 minutes	57	62	46	55
Specific Optical Density at 4.0 minutes	264	268	245	259
Time to 90% DM, minutes	4.34	4.78	3.45	4.19
Time to DS = 16, minutes	1.18	1.15	1.23	1.19



 President L. Kent Suddeth