



COMMERCIAL TESTING COMPANY

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Report Number 01-10109.2

Masland Carpets, Inc.
Saraland, Alabama

Test Number 3270-7269-B
October 10, 2001

Smoke Density Test

Test Method: The test was conducted in accordance with the ASTM fire test response standard E 662-97, *Specific Optical Density of Smoke Generated by Solid Materials*. It provides a means of determining specific optical density of smoke generated by solid materials mounted in the vertical position under specific exposure conditions. It is intended for use in research and development and not as a basis for regulatory purposes. Values determined are specific to the specimen tested and not to be considered inherent fundamental properties of the material. [Note: Section 8.2 of the method specifies that materials with a process-induced surface, be tested in each orientation in each mode. Carpet is exempt because data are available to show that specimen orientation in terms of length and width has no statistically significant effect on the specific optical density obtained using this test method (Reference: Hirschler, Dr. Marcelo M., "Smoke Results from a Set of Over 100 Carpets in the NBS Smoke Chamber, Statistical Analysis and Investigation of Affecting Factors," *Fire and Materials*, Vol. 16, No. 3, 1992, pp. 127-133.)].

Material Tested:

Identification: 7219 Tansu
Construction: Cut/Uncut Pile
Secondary Backing: Woven Synthetic

Color: 12921 Indigo
Total Weight: 67.9 oz/yd²

Test Result:

Specimen	Flaming Exposure			Non-Flaming Exposure		
	#1	#2	#3	#1	#2	#3
Ds @ 1.5 minutes	22	22	11	0	0	0
Ds @ 4.0 minutes	122	127	153	26	23	20
Dm	122	127	168	264	339	318
Time to Dm	2.9	2.8	6.9	19.8	19.6	20.0
Dc	12	12	14	1	1	1
Dm (corrected)	109	114	154	263	338	317
Average Ds @ 1.5 minutes	19			0		
Average Ds @ 4.0 minutes	134			23		
Average Dm	139			307		
Average Dm (corrected)	126			306		

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(Authorized Signature)

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. The test results presented in this report apply only to the samples tested and are not necessarily indicative of apparent identical or similar materials. Sample selection and identification were provided by the client. A sampling plan, if described in the referenced standard, was not necessarily followed. This report, or the name of Commercial Testing Company, shall not be used under any circumstance in advertising to the general public.

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