



# COMMERCIAL TESTING COMPANY

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Report Number 07-04361.7

Masland Carpets, Inc.  
Saraland, Alabama

Test Number 3865-5417

April 25, 2007

## GSA Testing Dimensional Stability

**Applicable Document:** General Services Administration, National Furniture Center, 3FNE-00-591a *Technical Requirements Booklet for Carpet, Carpet Tiles and Carpet Cushion*, FSC Group 72, Part I, Section A dated April 30, 2002 (Revised November 15, 2002)

**Test Method:** The test was conducted in accordance with International Standard ISO 2551, *Machine-Made Textile Floor Coverings — Determination of Dimensional Changes Due to the Effects of Varied Water and Heat Conditions*. In this method, comparison is made between dimensions of specimens after conditioning in the standard atmosphere for testing textiles, 20°C and 65% relative humidity, and then after being subjected to specified varied water and heat conditions. Three specimens are reference marked at two locations along both the machine and cross-machine directions. Initial measurements are made on the conditioned specimens. They are then placed in a hot-air oven maintained at 60°C for two hours, removed, and the dimensions determined within 6.5 minutes after their removal. The specimens are then immersed in 20°C water for two hours, removed, and the dimensions determined within 5 minutes after their removal. The specimens are then dried 24 hours in a circulating air oven maintained at 60°C and the dimensions again determined. Finally, the specimens are conditioned for 48 hours in the standard atmosphere for testing textiles, and the final dimensions determined at the marked locations. Dimensional change is calculated for each condition and expressed as percentage change. Shrinkage is indicated by a minus sign, and an increase in dimensions by a plus sign.

### Material Tested:

GSA Contract Number: GS-27F-5049C

Roll Number: 416407

Special Item Number: 31-303

Lot Number: 202505

Identification: T412 Arroyo

Pile Fiber: Invista Legacy 6,6 BCF Nylon

Construction: Multilevel Loop Carpet Tile

Backing: Marchem V1727-80

Color: 14210 Sands

### Test Result:

Condition	Dimensional Change	
	Machine	Cross Machine
Bone Dry	- 0.009	- 0.002
Wet	- 0.009	- 0.005
Dried	- 0.015	- 0.008
Final	- 0.013	- 0.008

Unless otherwise indicated, the test results presented herein comply with GSA 3FNE-00-591a Technical Requirements Booklet.

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*Jonathan Jackson*

(Authorized Signature)

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