



COMMERCIAL TESTING COMPANY

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Report Number 06-12153

Masland Carpets, Inc.
Saraland, Alabama

Test Number 3854-4909
December 11, 2006

Dimensional Stability Test

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*. The ISO standard is the technical equivalent of DIN 54318, which has been withdrawn. 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:

Identification: T411 Artesian
Construction: Loop Pile Carpet Tile
Secondary Backing: TL
Color: 14110 Sands

Test Result:

Condition	Dimensional Change			
	(inch)		(%)	
	Length	Width	Length	Width
Bone Dry	-0.005	-0.005	-0.04	-0.04
Wet	-0.002	-0.006	-0.02	-0.05
Dried	-0.011	-0.010	-0.09	-0.08
Final	-0.008	-0.008	-0.07	-0.07

Requirement: ISO 2551 requires dimensional change to be calculated and reported as a percentage. The GSA requires dimensional change to be calculated and reported as inches in publication 3FNE-00-591a, *Technical Requirements Booklet for Carpet, Carpet Tiles and Carpet Cushion*. The relative requirement stated therein is a dimensional change not exceeding ± 0.027 (machine direction) and ± 0.027 (cross-direction).

Commercial Testing Company

Jonathan Jackson

(Authorized Signature)

The ISO 2551 test conducted by Commercial Testing Company is recognized by the United States Department of Commerce, National Institute of Standards and Technology (NIST), through the National Voluntary Laboratory Accreditation Program (NVLAP) for conformance with criteria set forth in NIST Handbook 150:2001, and all requirements of ISO/IEC 17025:1999. 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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