



TEST REPORT

DATE: 10/28/2009

TEST NUMBER: 124430

CLIENT	Masland Carpets
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TEST METHOD CONDUCTED	Aachen - (Dimensional Stability Evaluation)
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	T440 Solar
COLOR	04133 Altair
ROLL	-----
CONSTRUCTION	Loop Pile
FIBER	Antron Lumena® Solution Dyed Nylon
BACKING	Vinyl
REFERENCE	GSA INITIAL GSA SIN #31-303

GENERAL PRINCIPLE

This test is designed to examine dimensional changes in textile floor coverings due to various conditions of heat and moisture. Measurements are taken in the length and cross directions of the test sample after each treatment. A change in the dimension of the test sample is calculated as a percentage of the original preconditioned sample measurement. Shrinkage is indicated by a negative quotation while expansion is indicated by a positive quotation.

TEST RESULTS

	Measurement	Percent		Measurement	Percent
M ₀	24.0090	-----	C ₀	24.0385	-----
M _{T1}	23.8840	-0.521%	C _{T1}	24.0565	+0.075%
M _{T2}	24.0490	+0.167%	C _{T2}	24.0775	+0.162%
M _{T3}	24.0410	+0.133%	C _{T3}	24.0505	+0.050%
M _{T4}	24.0305	+0.090%	C _{T4}	24.0430	+0.019%

M ₀	Original measurement in machine direction
C ₀	Original measurement in cross direction
T ₁	Two hours in drying oven at 60° C
T ₂	Two hours submerged in 0.1% detergent solution at 20°C
T ₃	Twenty four hours in drying oven at 60°C
T ₄	Forty eight hours conditioning at 20°C and 65% relative humidity

AVERAGE CHANGE MACHINE DIRECTION	-0.008 Inch
AVERAGE CHANGE CROSS DIRECTION	+0.018 Inch

APPROVED BY:

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