Professional Testing Laboratory, Inc.

TEST REPORT

DATE: 01/29/2010 **TEST NUMBER**: 124431

CLIENT	Masland Carpets

TEST METHOD CONDUCTED	Aachen (Dimensional Stability Evaluation)

DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	T439 Vector
COLOR	04133 Altair
ROLL	-----
CONSTRUCTION	Loop Pile
FIBER	Antron Lumena® Solution Dyed Nylon
BACKING	Vinyl
REFERENCE	

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	24.0110	-----	C_0	24.0170	-----
M_{T1}	24.0035	-0.031%	C_{T1}	24.0190	+0.008%
M_{T2}	24.0125	+0.006%	C_{T2}	24.0140	-0.012%
M_{T3}	24.0135	+0.010%	C_{T3}	24.0080	-0.037%
M_{T4}	24.0070	-0.017%	C_{T4}	24.0090	-0.033%

M_0	Original measurement in machine direction
C_0	Original measurement in cross direction
T_1	Two hours in drying oven at 60º C
T_2	Two hours submerged in 0.1% detergent solution at 20ºC
T_3	Twenty four hours in drying oven at 60ºC
T_4	Forty eight hours conditioning at 20ºC and 65% relative humidity

AVERAGE CHANGE MACHINE DIRECTION	-0.002 Inch
AVERAGE CHANGE CROSS DIRECTION	-0.005 Inch

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