

TEST REPORT

DATE: 10-07-2024

Page 1 of 1

TEST NUMBER: 0311813

CLIENT	Yangzhou Tuntex Fiber Technologies Co., LTD.
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TEST METHOD CONDUCTED	ASTM D7570 (Edge Curl) Standard Test Method for Evaluating Dimensional Stability of Pile Yarn Floor Covering
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Nexlon Carpet Tile
CONSTRUCTION	Multi-Level Loop Pile
BACKING	Duraback

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

	Percent Change		Percent Change	Edge Curl*
M_0	-----	C_0	-----	0.00 Inch
M_{T1}	-0.030%	C_{T1}	-0.030%	0.02 Inch
M_{T2}	-0.043%	C_{T2}	-0.023%	0.01 Inch
M_{T3}	-0.038%	C_{T3}	-0.028%	0.02 Inch
M_{T4}	-0.010%	C_{T4}	+0.000%	0.02 Inch

*At the client's request, planar change was measured during each stage

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

APPROVED BY:



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