

HURRICANE ENGINEERING & TESTING INC.

Computer Controlled Product Testing & Design,
.....Wind Load Analysis

Tensile Test

March 15, 2004

REPORT NUMBER: HETI-04-T107

MANUFACTURER: Wayne-Dalton Corporation.
3395 Addison Dr., Pensacola FL 32514

TEST LOCATION: Hurricane Engineering & Testing Inc.
6120 NW 97 AVE, Miami, FL 33178

PRODUCT: Grommet Storm Panel.

REFERENCE TEST: Report Numbers: HETI-03-1873, HETI-03-1875, HETI-03-1885A,
& HETI-03-1885B

SOURCE ID: **PVC Coated Woven Polyester Fabric**

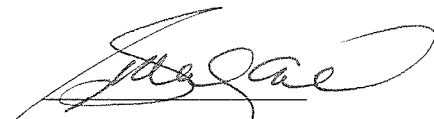
TENSILE TEST EQUIP.: ACCUTEK


COMMENT: Tested as per ASTM E 8-01e1.

Test Results

Sample No.	Width (inch)	Thickness (inch)	Area (in ²)	Ultimate Load (lbs)	Ultimate Stress (psi)	Yield Stress (psi)	Elongation (%)
1	0.513	0.037	0.018981	247	13013	1559	41
2	0.513	0.037	0.018981	276	14541	1949	45
3	0.513	0.037	0.018981	257	13540	1559	35
Average				260	13698	1689	40

Samples collected from test sample in above referenced test reports.


Syed Waqar Ali, Ph. D.
President


Rafael E. Droz-Seda, P.E.
Resident Engineer
3/15/04

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TEST LOCATION: Hurricane Engineering & Testing Inc.
6120 NW 97 AVE, Miami, FL 33178

PRODUCT: Grommet Storm Panel.

REFERENCE TEST: Report Numbers: HETI-03-1873, HETI-03-1875, HETI-03-1885A,
& HETI-03-1885B

SOURCE ID: **Welded PVC Coated Woven Polyester Fabric**


TENSILE TEST EQUIP.: ACCUTEK

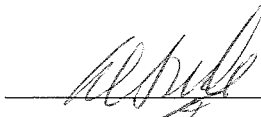
COMMENT: 2" gage section of test samples contained a 1 1/2" weld. Tested as per ASTM E 8-01e1.

Test Results

Sample No.	Width (inch)	Thickness (inch)	Area (in ²)	Ultimate Load (lbs)	Ultimate Stress (psi)	Yield Stress (psi)	Elongation (%)
1	0.5137	0.037	0.018981	195	10273	1580	26
2	0.513	0.037	0.018981	186	9799	1580	34
3	0.513	0.037	0.018981	172	9062	1580	27
Average				184	9711	1580	29

Samples collected from test sample in above referenced test reports.


Syed Waqar Ali, Ph. D.
President


Rafael E. Droz-Seda, P.E.
Resident Engineer
3/15/04