



Celotex Corporation  
Testing Services

10301 Ninth Street North  
St. Petersburg, Florida 33716  
(727) 578-4316  
(727) 578-4280 Fax

**PHYSICAL LABORATORY REPORT**

May 24, 1999

**Client:** Film Technologies International, Inc.  
2544 Terminal Dr. So.  
St. Petersburg, FL 33712-1669

**MTS Job No.:** 520232

**Test Date:** March 26, 1999

**Project:** Puncture Strength Properties of Film Technologies, Inc.

**Test Method:** ASTM D4830-95, "Standard Test Methods for Character Thermoplastic Fabrics Used in Roofing and Waterproofing", Section 7

**Sample Identification:** Glass Gard 4 mil

**Procedure:** Five (5) specimens, 3 inches square by thickness, were cut from a specimen submitted by the client. Each specimen was placed between a ring clamp attachment that had internal diameter (opening) of 1.75 inches. A hardened 6-inch steel rod with a 5/32-inch radius was attached to the moveable crosshead of the Instron. A test load was applied to the test specimen by means of the steel rod, until failure.

**Test Device:** Instron Model 5585 Universal Testing Machine interfaced with an automated data acquisition system. Last calibration September 1998.

**Full Scale Load Range:** 100 lbs.

**Crosshead Speed:** 12 in/min.

**Specimen Thickness:** 0.004 inches

**Number of Specimens**

**per Sample:** 5

**Results:** The following table presents the results for the above testing.

Specimen I.D.	Maximum Load @ Failure (lbf)
1	78.8
2	75.5
3	76.9
4	76.6
5	76.7
Mean	76.9
S.D.	1.2

**Tested by:**

*Scott T. Ryan*

Scott T. Ryan  
Laboratory Technician

**Approved by:**

*W. A. Jackson*

W. A. Jackson  
Project Coordinator



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**PHYSICAL LABORATORY REPORT**

January 8, 1999

**Client:** Film Technologies International, Inc.  
2544 Terminal Drive So.  
St. Petersburg, FL 33712-1669

**MTS Job No.:** 520127

**Test Date:** January 4, 1999

**Project:** Puncture Strength Properties of Film Technologies International, Inc.

**Test Method:** ASTM D4830-95, "Standard Test Methods for Character Thermoplastic Fabrics Used in Roofing and Waterproofing, (Section 7)"

**Sample Identification:** GlassGard 700PS SCR with Acrylic PSA (nominal coating weight - 0.009325 gms/in<sup>2</sup>)

**Procedure:**

Five (5) specimens, 3 inches square by thickness, were cut from a specimen submitted by the client. Each specimen was placed between a ring clamp attachment that had internal diameter (opening) of 1.75 inches. A hardened 6 inch steel rod with a 5/32 inch radius was attached to the moveable crosshead of the Instron. A test load was applied to the test specimen by means of the steel rod, until failure.

**Test Device:** Instron Model 5585 Universal Testing Machine interfaced with an automated data acquisition system. Last calibration September 1998.

**Full Scale Load Range:** 200 lbs.

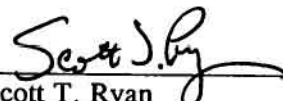
**Crosshead Speed:** 12 in/min.

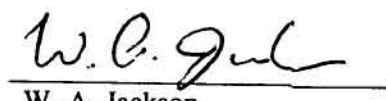
**Specimen Thickness:** 0.007 inches

**Number of Specimens:** 5

**Results:** The following table presents the results for the above testing.

Specimen I.D.	Maximum Load @ Failure (lbf)
1	166
2	164
3	160
4	160
5	160
Mean	162
Standard Deviation	2.8

**Tested by:**   
Scott T. Ryan  
Laboratory Technician

**Approved by:**   
W. A. Jackson  
Project Coordinator

*This report is for the information of the client. It may be used in its entirety for the purpose of securing product acceptance from duly constituted approval authorities; however, this report or the name of Celotex Corporation shall not be used in publicity or advertising.*