

## TEST REPORT

REPORT NO.: HV-10-07158XA

PAGE: 1 OF 5

DATE: NOVEMBER 18, 2010

### PROWANG PLASTIC CO., LTD.

NO.55, FENGTIAN RD., DAPI SHIANG,  
YUNLIN COUNTY 63147, TAIWAN (R.O.C)

The following merchandise was submitted and identified by the vendor as:

Product Description : PROLIGHT PVC RIGID FOAM SHEET

Style/Item No. : L-550

Manufacturer/Vendor : PROWANG PLASTIC CO., LTD.

Country of Origin : Taiwan

We have tested the submitted sample(s) as requested and the following results were obtained :

Test Required : (According to client's test specification, please see following sheets in detail.)

- (1) Tensile Strength & Modulus of Elasticity
- (2) Flexural Strength
- (3) 30% Compressive Strength

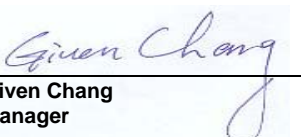
Test Result :

-PLEASE SEE ATTACHED SHEETS-

Date of Receive : NOVEMBER 05, 2010

Date of Testing : NOVEMBER 05, 2010 ~ NOVEMBER 16, 2010

Signed for and on behalf of  
SGS Taiwan Ltd.

  
Given Chang  
Manager

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**(1) Tensile Strength & Modulus of Elasticity**Test Equipment:

Name	Brand	Model
Universal Material Testing Machine	INSTRON	5969

Lab Environmental Conditions:

Ambient temperature: 23±2°C

Relative humidity: 50±5%RH

Test Method/ Specification:

ASTM D638-08 Standard Test Method for Tensile Properties of Plastics

Test Specimens:

TYPE III

Test Conditions:

Tensile Strength : V = 5 mm/min

Modulus of Elasticity : V = 1 mm/min

Average Width : 18.93 mm

Average Thickness : 7.57 mm

Test Result:Tensile Strength: 129 kgf/cm<sup>2</sup> (12.7 MPa) (1833 psi)Modulus of Elasticity: 13710 kgf/cm<sup>2</sup> (1345 MPa) (194827 psi)

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**(2)Flexural Strength**Test Equipment:

Name	Brand	Model
Universal Material Testing Machine	INSTRON	5969

Lab Environmental Conditions:

Ambient temperature: 23±2°C

Relative humidity: 50±5%RH

Test Method/ Specification:

ASTM D790-07e1 Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials (Procedure A)

Test Conditions:

Rate of crosshead motion : 3.20 mm/min  
Average Width : 12.71 mm  
Average Depth : 7.51 mm  
Support Span : 120 mm  
Diameter of the loading nose and supports : 10 mm

Test Result:228 kgf/cm<sup>2</sup> (22.4 MPa) (3240 psi)

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**(3)30% Compressive Strength**Test Equipment :

Name	Brand	Model
Universal Material Testing Machine	INSTRON	5569

Lab Environmental Conditions :

Ambient temperature: 23±2°C

Relative humidity: 50±5%RH

Test Method :

ASTM D695-08 Standard Test Method for Compressive Properties of Rigid Plastics

Test Conditions :

Rate of Compression : 1.3 mm/min

Average Width : 12.46 mm

Average Width : 12.62mm

Average Height : 25.40mm

Test Result :230 kgf/cm<sup>2</sup> (22.6 MPa) (3268psi)

(No Breaking Point)

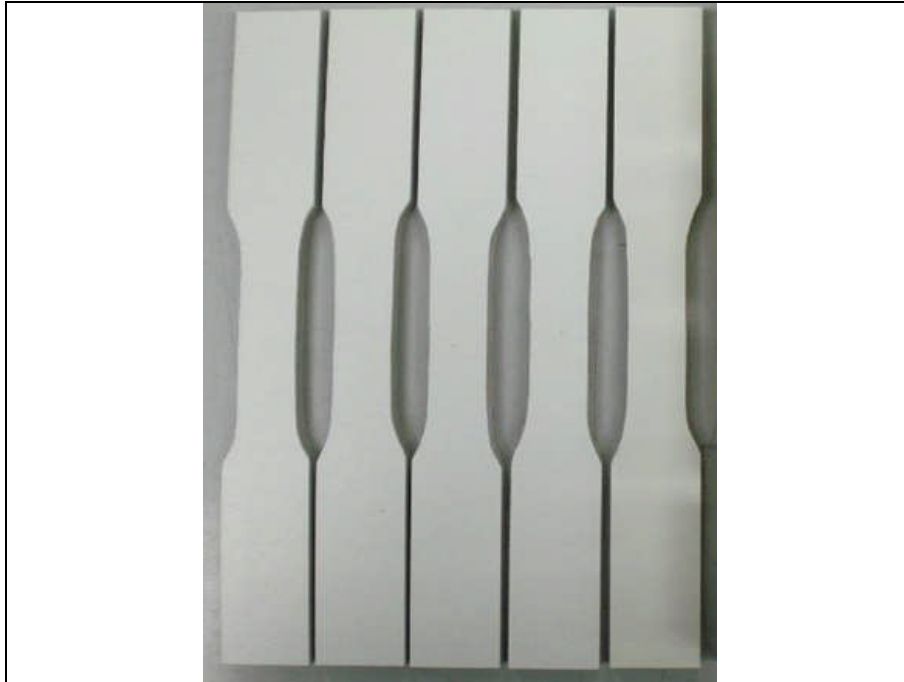
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Test Photo :



Test Sample



Test Sample

— The End of Test Report —