

Name: Regal Plastics Supply
 Address: 2356 Merrell Rd., Dallas, TX. 75229
 Phone: Phone: 800-441-1553

Report Date: May 26, 2011
 Contact: Ed Rowland
 Email: erowland@regal-plastics.com

Ballistic Results

Project Summary

Type of Products to be tested: 1-1/4" Plastic BR product
 Test Specimen Sample size(s): 12 inch x 12 inch
 Number of test specimens: 9 Samples
 Weight of all samples: 7.5 pounds per sq. ft.
 Are Materials a Health Hazard: No
 Need the Tests performed by: 7 - 10 days
 Need products shipped back: No
 Sales Order Number: 1557206

International Ballistic Standards / Specifications Testing

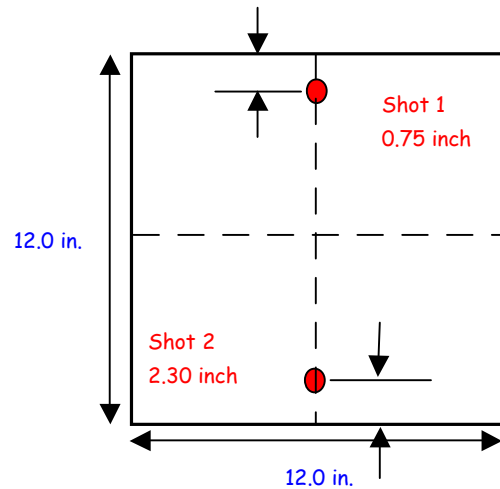
ASTM Brunswick FRA NIJ CFR Pass All
 Australian Canadian Germ DIN State Dept CFR SYA
 British EN 1063 MIL-SAMIT UL 752 Other
 Test Standard: Underwriters Laboratory UL752
 Particular Test: UL Level 3 Part 3 (.44 Magnum SWC)
 Velocity Range: 1,350 to 1,485 ft/s
 Number of Shots: 1 shot
 Spacing / Pattern: 1 to 1.5 inches from edge

Test Results

Product Number: Sample 9-SQ-05-11-2011-3384 Regalgard
 Sample Type: 1-1/4" Plastic BR product
 Sample Size: 12.0 in. x 12.0 in.
 Thickness: 1.280 inch
 Weight: 7.69 lbs
 Weapon Type: .44 Magnum
 Cartridge / Projectile Type: .44 Magnum SWC
 Projectile Weight: 240 grains
 Target Distance: 15 feet
 Number of Shots: 1 shot
 Shot Sequence:

	Shot 1	Shot 2
Impact Velocity (ft/sec) *:	<u>1,422</u>	<u>1,419</u>
Impact Energy (ft-lbs):	<u>1,077</u>	<u>1,073</u>
Impact Momentum (lb-sec):	<u>1.52</u>	<u>1.51</u>
Impact Angle (degrees):	<u>0°</u>	<u>0°</u>
Penetration Effect:	<u>NP</u>	<u>NP</u>

Witness plate material: Not required
 Spall catch box: Not required
 Witness / Box Distance: Not required
 Spall Occurrence: None
 Test Temperature: 73 ° F
 Test Date: May 26, 2011
 Pass / Fail Results: Passed the Test



Footnotes

* Velocity measurements were taken at a distance of 6 feet from muzzle.

NP = No Penetration
 CP = Complete Penetration

Test and Report Engineers

Tested and Reported by: Sam Raheb

Signature: Sam Raheb

Date: May 26, 2011

Name: [Regal Plastics Supply](#)

Report Date: [May 26, 2011](#)

Ballistic Test Results and Photographs

Ballistic Test Results:

The test sample passed the Underwriters Laboratory UL752 Level 3 Part 3 (.44 Magnum SWC) Ballistic test. The first edge shot was 0.25 inch under the standard's minimum 1.0 inch edge distance but it is still considered a fair hit due to it being more severe at it is closer to the edge. A second edge shot was taken but it happened to be 0.8 inches over the standard's maximum required edge distance.

Projectile Penetration Effects:

There was no partial or complete projectile penetration of the sample for the single shot..

Witness Plate and Spall Effects:

No spall or damage to the 0.125 in. thick corrugated cardboard witness plate was observed.

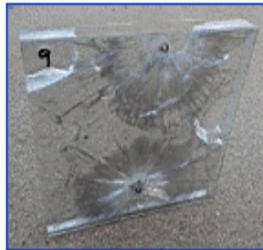
Photographs

The following photographs show both the pre and post-test sample. Additional larger sized photographs are included with this report.

Sample 9 - UL 752 Level 3 Part 3 (.44 Magnum SWC) - 12.0 x 12.0 x 1.280 inch



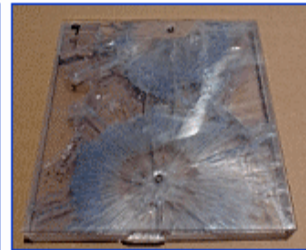
Sample 9 Pretest Impact Side



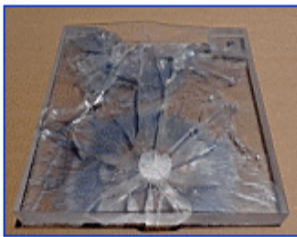
Sample 9 Post Test Impact Side



Sample 9 Post Test Rear Side



Sample 9 Post Test Impact Side



Sample 9 Post Test Rear Side



Sample 9 Post Test Top Rear Side

Test and Report Engineers

Tested and Reported by: Sam Raheb

Signature: *Sam Raheb*

Date: [May 26, 2011](#)