



BALLISTIC TEST REPORT

TEST NO. 037-041

Test Date: 24 February 2007

Test Site: SWRI
 Address: 6220 Culebra Rd., San Antonio, TX
 Phone: 210-522-3996

Report Date: 24 February 2007
 Contact: Carl Weiss, Research Engineer
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GENERAL INFORMATION

Type of Material: Transparent Armor
 Manufacturer: XO Armor
 Description: Glass / Plastic
 Sample Size: 18" x 18"
 Thickness: ~ 1/4"
 Spall Liner: N/A
 Weight: 8.50 lb
 Areal Density: 3.78 psf

APPLICABLE STANDARDS OR PROCEDURES

Weapon/Test Barrel: .22LR (Ruger 10-22)
 Required Velocity: 1,050 +/- 40 fps
 Number of Shots: 5
 Caliber: .22
 Projectile Type: 40 grain Lead RN
 Projectile Wt: 40 grains
 Protection Level: NIJ 0108.01 Level I

SET-UP

Shot Spacing: 5-inch square
 Obliquity: 0°
 Range to Target: 20 ft.
 Witness Panel: 0.02" Aluminum
 Target to Witness: 6 in.

ATMOSPHERIC CONDITIONS

Temperature: Ambient (~75 F)
 BP: Indoor
 Altitude: N/A
 RH: Indoor
 Wind: Indoor

AMMUNITION

1: .22LR 40 grain Lead RN Lot No: N/A

TEST RESULTS

Shot No.	Ammo	Velocity (fps)	Pass/Fail	Footnotes
37	1	1,194	Pass	No damage to witness plate
38	1	1,200	Pass	No damage to witness plate
39	1	1,229	Pass	No damage to witness plate
40	1	1,201	Pass	No damage to witness plate
41	1	1,249	Pass	No damage to witness plate



Test 037-041 Strike Face



Test 037-041 Safe Side