



BALLISTIC TEST REPORT

TEST NO. 001

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
 Email: cweiss@swri.org

GENERAL INFORMATION

Type of Material: Transparent Armor
 Manufacturer: XO Armor
 Description: Glass / Plastic
 Sample Size: 19" x 19"
 Thickness: ~ 1-1/8"
 Spall Liner: N/A
 Weight: 35 lb
 Areal Density: 13.96 psf

APPLICABLE STANDARDS OR PROCEDURES

Weapon/Test Barrel: .308 Universal Barrel
 Required Velocity: 2,750 – 3,025 fps
 Number of Shots: 1
 Caliber: .308
 Projectile Type: M80 (NATO Ball)
 Projectile Wt: 147 grains
 Protection Level: UL-752 Level 5

SET-UP

Shot Spacing: Single Hit
 Obliquity: 0°
 Range to Target: 20 ft.
 Witness Panel: 1/8" cardboard
 Target to Witness: 6 in.

ATMOSPHERIC CONDITIONS

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

AMMUNITION

1: 7.62x51mm M80 Lot No: N/A

TEST RESULTS

Shot No.	Ammo	Velocity (fps)	Pass/Fail	Footnotes
1	1	2,842	Pass	No damage to witness plate



Test 001 Strike Face



Test 001 Safe Side