

**UNITED STATES TEST LABORATORY**  
**BALLISTIC RESISTANCE TEST**

Date Received: 05/20/13  
Via: UPS  
Returned Via: UPS

Record No.: SV13006  
Test Date: 05/29/13  
Customer: SEGTEC VIDRIO, S.A. DE C.V.

**Test Conditions**

Temperature: 70 °F.  
Humidity: 49 %  
Test Spec.: NIJ 0108.01  
Threat Level: Special Threat

**Range 4**

Muzzle to Screen 1: 4.58 ft.  
Screen 1 - 2: 5.73 ft.  
Screen 2 - Target: 39.69 ft.  
Midpoint to Target: 42.56 ft.  
Target to Witness: 0.50 ft.  
Witness: 2024-T3 Alum.  
Barrel Length: 26 in.

Sample Description			Test/Ammunition Description					Chronograph		Results
Sample Number	Sample Thickness (in.)	Sample Weight (lbs.)	Shot No.	Shot Location	Degree Obliquity	Caliber	Bullet Weight / Type	TIME sx-5	VELOCITY fps	Penetration No Penetration
Sample 3	1.64	32.03	1	TL	0	5.56x45mm	55 FMJ	180.4	3175	No Penetration
Sample 3	1.64	32.03	2	TR	0	5.56x45mm	55 FMJ	180.5	3173	No Penetration
Sample 3	1.64	32.03	3	BR	0	5.56x45mm	55 FMJ	184.6	3103	No Penetration
Sample 3	1.64	32.03	4	BL	0	5.56x45mm	55 FMJ	183.0	3130	No Penetration
Sample 3	1.64	32.03	5	C	0	5.56x45mm	55 FMJ	182.1	3146	No Penetration

**WARNING** – This document may contain technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. 2751, et. seq.) or the Export Administration Act of 1979 as amended, Title 50 U.S.C. App 2401 et. seq. Violations of these export laws are subject to severe criminal penalties.

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

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**REMARKS/NOTES:**

- Sample secured using USTL supplied frame and clamps.
- See attached pre and post test digital photos.
- See attached digital video of all impacts.
- See attached high-speed video of all impacts.

**Test Round Used:**

5.56x45mm 55 gr. FMJ (M193) @ customer specified velocity of 3150 +/- 50 fps

**Shot Spacing / Shot Location:**

Minimum 2.0" shot-to-edge and shot-to-shot.  
Shot 1: Top Left (TL), Shot 2: Top Right (TR), Shot 3: Bottom Right (BR), Shot 4: Bottom Left (BL), Shot 5: Center (C)

**Sample Tested:**

Manufacturer: SEGTEC VIDRIO, S.A. DE C.V.  
Sample No.: Sample 3  
Sample: Glass 42mm  
Sample Size: 15.75" x 15.75"  
Lot No.: SEGVI 05-2013  
DoM: May 2013  
Threat Level: III



**Sample Description:**

Layer 1: Glass (2.03" thick).