



OREGON BALLISTIC LABORATORIES

BALLISTIC RESISTANCE TEST - V₀

Customer: Tactical Edge & Armor LLC.
OBL ID#: 13657
Test Date: 8/25/2016
Purchase Order: 4943

TEST SAMPLE

Model No.: AR1000
Serial No.: 007
Lot No.: 161032
Plies: N/A
Description: Level III Stand Alone Plate

Size: 10 x 12
Weight (lb.): 5.99
Thickness:
Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft. Range #: 2
Screen Dist. Vel. 1 (ft.): 5 Temperature: 66.8 °F
Screen Dist. Vel. 2 (ft.): 5 Bar. Pressure: 30.10 in. Hg
Screen 4 to target (ft): N/A Rel. Humidity: 49.0 %
Primary Vel. Location: 8.25 ft. from target Sample Temp. Amb. °F
Striking Velocity: No Recorder: Joe Simon
Target to Witness: N/A Gunner: Kaleb Newcomer
Witness Panel: N/A
Backing Material: 5.5" clay block w/ 3/4" plywood backing
Obliquity: 0 Degrees
Barrel: 5.56mm NATO/1:7/30"

Pre Test:
Clay Drops (mm): 20.79 18.93 20.31 18.49 17.45
Drop Avg (mm): 19.19
Clay Temp °F: 94.4
Clay Box #: 2
Post Test:
Clay Drops (mm): 17.93 18.93 20.31 18.49 17.45
Drop Avg (mm): 18.62
Clay Temp °F: 92.4

AMMUNITION

Projectile: 5.56mm M193 Ball

Powder: IMR 4227

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level III+ (abbrev) (mod)

Required Velocity: 3050 fps ± 50 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μs (10 ⁻⁶)	TIME 2 μs (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	54.7	19.3	1602	1602	3121	3121	3121	P	0°	-	No Recordable BFD
2	54.7	19.0	1642	1645	3045	3040	3043	P	0°	5.36	
3	55.2	19.0	1628	1629	3071	3069	3070	P	0°		
4	54.8	19.0	1637	1641	3054	3047	3051	P	0°		
5	54.9	19.0	1660	1659	3012	3014	3013	P	0°		
6	55.3	19.2	1645	1649	3040	3032	3036	P	0°		

REMARKS:

P=Partial Penetration
C=Complete Penetration
UH=Unfair Hit

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was not subjected to Armor Drop Test per section 6.2.3.4
Sample was subjected to Armor Submersion per section 7.8.2



This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.