



BALLISTIC RESISTANCE TEST - V₀

Customer: UARM
 OBL ID#: 28666
 Date Rcv'd: 4/27/2021
 Test Date: 5/11/2021
 Purchase Order:

TEST SAMPLE

Sample No.: SA3UM
 Model No.: N/A
 Lot No.: N/A
 Plies: N/A
 Description: Level III Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 2.92
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 25 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 4
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: N/A
 Witness Panel: N/A
 Backing Material: 5.5" clay block
 Obliquity: 0 Degrees
 Barrel: .308/1:12/30"

Range #: 2
 Temperature: 68.0 °F
 Bar. Pressure: 30.19 in. Hg
 Rel. Humidity: 41.4 %
 Sample Temp: Amb. °F
 Recorder: Brian Wyler
 Gunner: Josh Humphreys

Pre Test:
 Clay Drops (mm): 18.86 19.44 19.62 19.11 19.12
 Drop Avg (mm): 19.23
 Clay Temp °F: 94.8
 Clay Box #: 9
 Post Test:
 Clay Drops (mm): 18.08 16.68 18.75 17.01 17.11
 Drop Avg (mm): 17.53
 Clay Temp °F: 90.9

AMMUNITION

Projectile: 7.62x51mm 147gr. M80 Ball Steel Jacket

Powder: VihtaVuori N133

STANDARDS / PROCEDURES

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

Required Velocity: 2780 fps ± 30 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	148.7	40.6	1812	1448	2759	2762	2761	P	0°		
2	148.3	40.6	1802	1438	2775	2782	2779	P	0°		
3	148.5	40.6	1805	1443	2770	2772	2771	P	0°		
4	148.3	40.6	1805	1441	2770	2776	2773	P	0°		
5	148.1	40.6	1818	1454	2750	2751	2751	P	0°		
6	148.2	40.6	1804	1442	2772	2774	2773	P	0°		

REMARKS:

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

TEST RESULTS:

FOOTNOTES:

Sample was not subjected to Armor Drop Test.
 Sample was not subjected to Armor Submersion.

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