



BALLISTIC RESISTANCE TEST - V₀

Customer: Veterans MFG, LLC
 OBL ID#: 24617
 Date Rcv'd: 4/7/2020
 Test Date: 4/14/2020
 Purchase Order: 1077

TEST SAMPLE
 Sample No.: 5
 Model No.: N/A
 Lot No.: N/A
 Plies: N/A
 Description: Level III Hard Armor Plate
 Size (in.): 10 x 12
 Weight (lb.): 6.68
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP
 Range to Target: 25 ft. Range #: 2
 Screen Dist. Vel. 1 (ft.): 5 Temperature: 69.5 °F
 Screen Dist. Vel. 2 (ft.): 5 Bar. Pressure: 30.38 in. Hg
 Screen 4 to target (ft): N/A Rel. Humidity: 36.0 %
 Primary Vel. Location: 8.25 ft. from target Sample Temp. Amb. °F
 Striking Velocity: No Recorder: Aubrey Rogers
 Target to Witness: N/A Gunner: Josh Humphreys
 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): 25.27 25.18 27.10
 Drop Avg (mm): 25.85
 Clay Temp °F: 95.0
 Clay Box #: 3
 Post Test:
 Clay Drops (mm): 22.33 23.30 24.36
 Drop Avg (mm): 23.33
 Clay Temp °F: 92.1

AMMUNITION
 Projectile: 5.56mm SS109/M855 Ball Powder: BL-C (2)

STANDARDS / PROCEDURES
 NIJ-STD-0101.07 draft RF2 (abbrev) (mod) Required Velocity: 3115 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	62.8	27.1	1620	1620	3086	3086	3086	P	0°	28.40	
2	62.3	27.1	1574	1574	3177	3177	3177	P	0°	23.51	
3	63.0	27.1	1598	1598	3129	3129	3129	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.
 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.