

BALLISTIC RESISTANCE TEST

NTS-Belcamp
 4603B Compass Point Road
 Belcamp, MD 21017

Client: Hardhead Veterans
 Project No.: PH00010260-1
 Test Date: 02/09/2024
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Test Panel Description: Ballistic helmet with pads and retention system

Manufacturer: Hard Head Veterans LLC **Sample No.:** (9mm, V0) Sample 1

Size: Large Avg. Thickness: 0.310 in Thicknesses: 0.310 in, 0.314 in, 0.306 in, 0.309 in	Weight: 3.030 lbs Plies/Laminates: N/A	Date Received: 02/05/2024 Received Via: FEDEX, Express Saver Returned Via: FEDEX, Express Saver
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Setup

Shot Spacing: AR/PD 10-02 Witness Panel: Clay Backing Material: Clay-filled NIJ- 0106.01 head form Condition: Ambient	Primary Vel. Screens (ft): 5.000, 5.333, 9.666, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 0.000	Range No.: Range 4 Temp: 69.5 °F BP: 30.2 inHg RH: 30 % Barrel/Gun: WC060666 Gunner: Jacob Arisman Recorder: Joshua Petty
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Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) 9-mm, 124-grain FMJ	23558	Remington	Accurate No. 2

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 7:40 AM; Block No. WC074959; Temp: 96.4 °F, 95 °F; Drop Depths: 24.5 mm, 25.0 mm, 25.0 mm
 (1) AR/PD 10-02 REV A Change 7 Oct. 16 2014
 (2) Customer Request

Shot No.	Ammo	Powder/ Seating	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Striking Vel. (ft/s)	Penetration	Deformation (mm)	Obliq. (°)	Footnotes
1	1	5.8	125.3	3487	1434	3024	1433	1433	1423	None	8.5	0.0	(a)
2	1	5.8	125.3	3473	1440	3009	1440	1440	1429	None	15.2	0.0	(b)
3	1	5.8	125.3	3473	1440	3009	1440	1440	1429	None	15.6	0.0	(c)
4	1	5.8	125.3	3502	1428	3036	1427	1427	1417	None	13.4	0.0	(d)
5	1	5.8	125.3	3441	1453	2985	1452	1452	1442	None	8.4	0.0	(e)

Remarks:
 Required Velocity: 1400 - 1450 ft/s.
 Projectile yaw check: 0° yaw on all impacts
 Shots 1-5: HB3-6; Headform Temp: 96.0 °F

Footnotes:
 (a) Crown
 (b) Right
 (c) Left
 (d) Front
 (e) Back