

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017
USA

Test Panel

Description: Helmet.

Sample No.: Helmet (.44 Mag)

Size: Large
Avg. Thick: 0.418 in
Thickness: 0.415 in; 0.411 in;
0.431 in; 0.416 in

Weight: 3.67 lbs
Plies/Laminates: NA

Date Received: 02/14/2021
Via: DHL
Returned: DHL

Setup

Shot Spacing: NIJ-STD-0106.01 Level IIIA
Witness Panel: 0.02 in 2024-T3 Al
Backing Material: NIJ-STD-0106.01 Head Form
Condition: Ambient

Primary Vel. Screens (ft): 6.500, 9.500
Primary Vel. Location (ft): 8.000
Range to Target (ft): 16.400
Target to Witness (in): 0.000

Range No.: 4
Temp: 67.2 °F
BP: 29.6 inHg
RH: 32.4%
Barrel/Gun: CT-3017
Gunner: Jacob Arisman
Recorder: Matt Settle

Ammunition

Projectile	Lot No.	Powder
(1) .44-mag., 240-grain SJHP	Speer B02X	Accurate No. 5

Applicable Standards or Procedures

- (1) NIJ-STD-0106.01 Level IIIA (Modified)
- (2) Customer request

Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Obliq. (°)	Footnotes
1	1	239.8	2093	1433	2093	1433	1433	None	0.0	(a)
2	1	239.3	2098	1430	2096	1431	1431	None	0.0	(b)
3	1	239.8	2093	1433	2093	1433	1433	None	0.0	(c)
4	1	239.4	2084	1440	2081	1442	1441	None	0.0	(d)

Remarks:

Required velocity: 1400 to 1460 ft/s
Projectile yaw check: 0° yaw on all impacts.

Footnotes:

- (a) Front
- (b) Back
- (c) Right
- (d) Left