

BALLISTIC RESISTANCE TEST

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

Client: Premier Body Armor
Project No.: PH00008087
Test Date: 08/25/2023
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Test Panel Description: Ballistic helmet with pads and retention system

Manufacturer: Premier Armor

Sample No.: (9mm, V0) Helmet-1

Size: Large
Avg. Thickness: N/A
Thicknesses: N/A

Weight: 3.020 lbs
Plies/Laminates: N/A

Date Received: 08/21/2023
Received Via: UPS Ground
Returned Via: UPS Ground

Setup

Shot Spacing: NIJ-STD-0106.01
Witness Panel: 0.02 in 2024-T3 Al
Backing Material: N/A
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): 3.000

Range No.: Range 3
Temp: 67.1 °F
BP: 30 inHg
RH: 52 %
Barrel/Gun: WC020651
Gunner: Kevin Guzman
Recorder: Ramon Chavez

Ammunition

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

Applicable Standards or Procedures

- (1) NIJ-STD-0106.01 (Modified)
(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)	Penetration	Obliq. (°)	Footnotes
1	1	5.8	124	2176	1379	2176	1379	1379	None	0	
2	1	5.8	124	2176	1379	2179	1377	1378	None	0	
3	1	5.8	124	2162	1388	2159	1390	1389	None	0	
4	1	5.8	124	2186	1372	2186	1372	1372	None	0	

Remarks:

Required Velocity: 1350 - 1450 ft./s.
Projectile Yaw Check: 0° Yaw on all Impacts.

Footnotes:

N/A

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Client: Premier Body Armor
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Test Panel Description: Ballistic helmet with pads and retention system

Manufacturer: Premier Armor

Sample No.: (.44 Mag SWCGC, V0) Helmet-2

Size: Large
Avg. Thickness: N/A
Thicknesses: N/A

Weight: 3.020 lbs
Plies/Laminates: N/A

Date Received: 08/21/2023
Received Via: UPS Ground
Returned Via: UPS Ground

Setup

Shot Spacing: NIJ-STD-0106.01
Witness Panel: 0.02 in 2024-T3 Al
Backing Material: N/A
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): 3.000

Range No.: Range 3
Temp: 67.5 °F
BP: 30 inHg
RH: 48 %
Barrel/Gun: WC020644
Gunner: Keivin Guzman
Recorder: Ramon Chavez

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) .44 Mag., 240-grain SWCGC	NA	Remington	3 N 38

Applicable Standards or Procedures

- (1) NIJ-STD-0106.01 (Modified)
(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)	Penetration	Obliq. (°)	Footnotes
1	1	14.7	240	2113	1420	2113	1420	1420	None	0	
2	1	14.7	240	2210	1357	2210	1357	1357	None	0	
3	1	14.7	240	2081	1442	2084	1440	1441	None	0	
4	1	14.7	240	2203	1362	2203	1362	1362	None	0	

Remarks:

Required Velocity: 1350 - 1450 ft./s.
Projectile Yaw Check: 0° Yaw on all Impacts.

Footnotes:

N/A