

BALLISTIC RESISTANCE TEST

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

Client: Premier Body Armor
Project No.: PH00007680-3
Test Date: 06/30/2023
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Test Panel Description: Soft armor

Manufacturer: Premier Armor

Sample No.: (Multi Threat, V0) 0021983-151

Size: 11.00 x 16.50 in
Avg. Thickness: N/A
Thicknesses: N/A

Weight: 1.570 lbs
Plies/Laminates: N/A

Date Received: 06/26/2023
Received Via: UPS Ground
Returned Via: UPS Ground

Setup

Shot Spacing: NIJ-STD-0101.06
Level IIIA
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

Primary Vel. Screens (ft): 6.500, 6.833,
11.166, 11.500
Primary Vel. Location (ft): 9.000
Range to Target (ft): 17.200
Target to Witness (in): 0.000

Range No.: Range 1
Temp: 69.3 °F
BP: 30 inHg
RH: 52 %
Barrel/Gun: N/A
Gunner: N/A
Recorder: Kevin Guzman

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) .357 SIG, 125-grain FMJ FN	4362	Speer	Accurate No. 2
(2) .44-mag, 240-grain SJHP	4453	Speer	Accurate No. 5
(3) 9-mm, 124-grain FMJ	23558	Remington	Accurate No. 2
(4) 9-mm, 115-grain Luger FMJ	NA	Remington	Accurate No. 2

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 1:50 PM; Block No. WC074190; Temp: 92.4 °F; Drop Depths: 17.4 mm, 17.6 mm, 18.5 mm, 17.5 mm, 17.8 mm

- (1) NIJ-STD-0101.06 Level IIIA (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	Deformation (mm)	Obliq. (°)	Footnotes
1	1	6.8	125.0	3414	1465	2958	1465	1465	None	28.9	0.0	
2	3	6.4	124.0	3358	1489	2911	1488	1489	None	24.0	0.0	
3	4	3.7	115.0	4520	1106	3917	1106	1106	None	18.6	0.0	
4	2	15.1	240.0	3407	1468	2955	1466	1467	None	32.2	0.0	

Remarks:

.357 SIG Required velocity: 1470 ± 30 ft/s.
Projectile Yaw Check: 0° Yaw on All Impacts.

9mm 124gr Required velocity: 1470 ± 30 ft/s.
Projectile Yaw Check: 0° Yaw on All Impacts.

9mm 115gr Required Velocity: 1135 ± 30 ft/s.
Projectile Yaw Check: 0° Yaw on All Impacts.

.44-mag Required Velocity: 1470 ± 30 ft/s.
Projectile Yaw Check: 0° Yaw on All Impacts.

Footnotes:

N/A