



4603 Compass Point Road  
Belcamp, MD 21017

# Preliminary Data

# BALLISTIC RESISTANCE TEST

## Element U.S. Space & Defense -Belcamp

4603B Compass Point Road  
Belcamp, MD 21017

Client: EscapeZone  
Project No.: PH00011430  
Test Date: 05/13/2024  
Page 1 of 1

**Test Panel** Description: Ballistics backpack.

Manufacturer: EscapeZone

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

Size: 12.00 x 18.00 in  
Avg. Thickness: N/A  
Thicknesses: N/A

Weight: 3.030 lbs  
Plies/Laminates: N/A

Date Received: 05/02/2024  
Received Via: USPS  
Returned Via: USPS

## 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: 69.5 °F  
BP: 30.2 inHg  
RH: 48 %  
Barrel/Gun: WC075131  
Gunner: Adam Beach  
Recorder: Isaiah Lookingbill

## 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: 1:51 PM; Block No. WC074192; Temp: 93.9 °F; Drop Depths: 17.8 mm, 17.2 mm, 17.4 mm, 16.9 mm, 17.3 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	6.2	125.1	3490	1433	3021	1434	1433	None	26.8	0	
2	1	6.2	125.1	3490	1433	3017	1436	1434	None	13.0	0	
3	1	6.2	125.1	3494	1431	3021	1434	1433	None	10.5	0	
4	1	6.2	125.1	3485	1435	3021	1434	1435	None		30	
5	1	6.2	125.1	3512	1424	3038	1426	1425	None		45	
6	1	6.2	125.2	3503	1427	3030	1430	1429	None		0	

### Remarks:

Required Velocity: 1400-1460 ft./s.  
Projectile Yaw Check: 0° Yaw on All Impacts.

### Footnotes:

N/A