

BALLISTIC RESISTANCE TEST

Element U.S. Space & Defense -Belcamp

 4603B Compass Point Road
 Belcamp, MD 21017

Client: Top Protections BV

Project No.: PH00011445

Test Date: 05/22/2024

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Test Panel Description: Soft armor sample.

Manufacturer: Top Protections BV

Sample No.: (.44 Mag, V0) TPNL-BV01 Front

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

 Weight: 2.210 lbs
 Plies/Laminates: N/A

 Date Received: 05/20/2024
 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: Wet per NIJ-STD-
 0101.06

 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: 69.8 °F
 BP: 30.2 inHg
 RH: 53 %
 Barrel/Gun: CDS-191
 Gunner: Adam Beach
 Recorder: Isaiah Lookingbill

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) .44 Mag, 240-grain SJHP	J28W	Speer	Accurate No. 5

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 11:15 AM; Block No. WC074194; Temp: 96.2 °F; Drop Depths: 19 mm, 18.9 mm, 19.7 mm, 19.5 mm, 17.2 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	15.0	239.9	3494	1431	3021	1434	1433	None	34.6	0	
2	1	15.0	239.9	3464	1443	2999	1445	1444	None	34.9	0	
3	1	15.0	239.9	3516	1422	3043	1424	1423	None	34.4	0	
4	1	15.0	240.1	3485	1435	3012	1439	1437	None		45	
5	1	15.0	240.1	3464	1443	2995	1447	1445	None		30	
6	1	15.0	240.2	3481	1436	3012	1439	1437	None		0	

Remarks:

Required Velocity: 1400-1460 ft./s.

Projectile Yaw Check: 0° Yaw on All Impacts.

Footnotes:

N/A