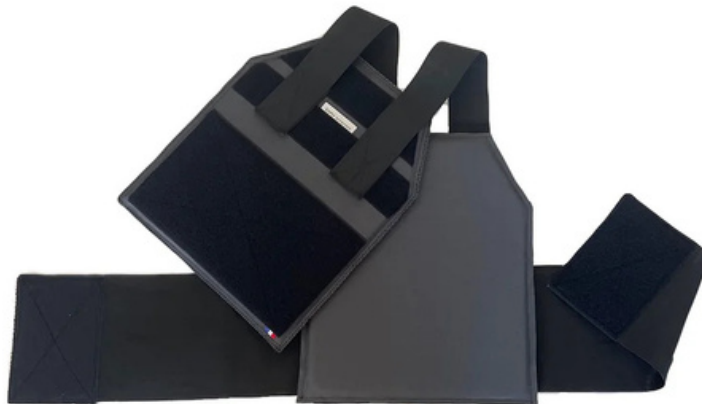




4603 Compass Point Road
Belcamp, MD 21017

Preliminary Data



BALLISTIC RESISTANCE TEST

Element U.S. Space & Defense -Belcamp
4603B Compass Point Road
Belcamp, MD 21017

Client: EMRA Armement
Project No.: PH00014649
Test Date: 03/03/2025
Page 1 of 1

Test Panel Description: Soft armor sample.

Manufacturer: EMRA Armement

Sample No.: (.357 Sig, V0, Wet) Sample 1

Size: 10.00 x 11.5 in
Avg. Thickness: N/A
Thicknesses: N/A

Weight: 1.320 lbs
Plies/Laminates: N/A

Date Received: 02/04/2025
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 3
Temp: 66.4 °F
BP: 30 inHg
RH: 34 %
Barrel/Gun: WC060661
Gunner: Timothy Mackie
Recorder: Kevin Guzman

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) .357 Sig, 125-grain FMJ FN	M30W	Speer	Accurate No. 2

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 3:35 PM; Block No. WC074182; Temp: 91 °F; Drop Depths: 18.9 mm, 17.2 mm, 19.4 mm, 17.6 mm, 17.4 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	124.8	3470.0	1441	3001.0	1444	1442	None	21	0	
2	1	6.8	124.9	3380.0	1479	2928.0	1480	1474	None	21.7	0	
3	1	6.8	124.9	3395.0	1473	2936.0	1476	1478	None	21.9	0	
4	1	6.8	124.9	3385.0	1477	2931.0	1478	1485	None		30	
5	1	6.8	125	3368.0	1485	2916.0	1486	1474	None		45	
6	1	6.8	125	3395.0	1473	2936.0	1476		None		0	

Remarks:

Required Velocity: 1440 ± 30 ft/s.
Projectile yaw check: 0° yaw on all impacts.

Footnotes:

N/A

BALLISTIC RESISTANCE TEST

Element U.S. Space & Defense -Belcamp
4603B Compass Point Road
Belcamp, MD 21017

Client: EMRA Armement
Project No.: PH00014649
Test Date: 03/03/2025
Page 1 of 1

Test Panel Description: Soft armor sample.

Manufacturer: EMRA Armement

Sample No.: (.44 Mag, V0, Wet) Sample 2

Size: 10.00 x 11.5 in
Avg. Thickness: N/A
Thicknesses: N/A

Weight: 1.330 lbs
Plies/Laminates: N/A

Date Received: 02/04/2025
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 3
Temp: 66.8 °F
BP: 30 inHg
RH: 34 %
Barrel/Gun: EL00000171
Gunner: Timothy Mackie
Recorder: Kevin Guzman

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: 3:15 PM; Block No. WC074182; Temp: 91.3 °F; Drop Depths: 16.8 mm, 19.5 mm, 18.2 mm, 18.5 mm, 19.7 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	14.4	240.5	3529.0	1417	3053.0	1419	1418	None	30	0	
2	1	14.4	240.7	3514.0	1423	3041.0	1425	1408	None	33.6	0	
3	1	14.4	240.7	3553.0	1407	3075.0	1409	1413	None	33.3	0	
4	1	14.4	240.8	3541.0	1412	3063.0	1415	1425	None		30	
5	1	14.4	240.8	3512.0	1424	3036.0	1427	1422	None		45	
6	1	14.4	241	3519.0	1421	3046.0	1423		None		0	

Remarks:

Required Velocity: 1430 ± 30 ft/s.
Projectile yaw check: 0 ° yaw on all impacts.

Footnotes:

N/A