

BALLISTIC RESISTANCE TEST

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

Client: Adept Incorporated
Project No.: PH00009199
Test Date: 11/16/2023
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Test Panel Description: Hard armor plate. (Steel only)

Manufacturer: Adept Incorporated

Sample No.: (.44 Mag, V0) Breast Plate

Size: Breast Plate
Avg. Thickness: N/A
Thicknesses: N/A

Weight: 5.590 lbs
Plies/Laminates: N/A

Date Received: 11/07/2023
Received Via: FEDEX Ground
Returned Via: FEDEX 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 3
Temp: 71 °F
BP: 30 inHg
RH: 42 %
Barrel/Gun: WC020651
Gunner: Ramon Chavez
Recorder: Keivin Guzman

Ammunition

| Projectile | Lot No. | Manufacturer | Powder |
|-----------------------------|---------|--------------|----------------|
| (1) .44 Mag, 240-grain SJHP | 4453 | Speer | Accurate No. 5 |

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 2:55 PM; Block No. WC074945; Temp: 93.5 °F; Drop Depths: 19.3 mm, 19.7 mm, 18.4 mm, 18 mm, 19.5 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 | 240.2 | 3468 | 1442 | 3004 | 1442 | 1442 | None | 13.1 | 0 | |
| 2 | 1 | 14.4 | 240.2 | 3462 | 1444 | 2999 | 1445 | 1445 | None | 12.2 | 0 | |

Remarks:
Required Velocity: 1430 ± 30 ft./s.
Projectile Yaw Check: 0° Yaw on all Impacts.

Footnotes:
N/A